This printed version of the Schedule of Classes is current as of 6/18/15 4:02 PM.

AASP African American Studies Spring 2015

AASP100 **Introduction to African American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Shane Walsh MWF 10:00am - 10:50am	Seats (Total: 35) LEF 1220
0102	Shane Walsh MWF 12:00pm - 12:50pm	Seats (Total: 35) LEF 1201
0103	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0109
0104	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1107
0105	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 35) LEF 1220
0106	Jason Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMP 2202

AASP100H **Introduction to African American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

Restricted to HONR students only.

0101	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 5) SQH 1107

0102	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 5) HBK 0109

AASP101 **Public Policy and the Black Community**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Formerly: AASP300.

The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie TuTh 12:30pm - 1:45pm	Seats (Total: 39) TYD 2106

AASP189I **HIV/AIDS in a Global Perspective**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE, D | General Education: DSSP, DVUP, SCIS

0101	Sangeetha Madhavan TuTh 9:30am - 10:45am	Seats (Total: 120) KEY 0106

AASP200 **African Civilization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo W 4:00pm - 6:30pm	Seats (Total: 40) KEY 0103

AASP202 **Black Culture in the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Renina Jarmon MWF 11:00am - 11:50am	Seats (Total: 35) ARC 1101
0201	Renina Jarmon MWF 1:00pm - 1:50pm	Seats (Total: 35) TYD 2106
0301	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 30) MMH 0108
0401	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1103

AASP202H **Black Culture in the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) MMH 0108

AASP274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not have completed any courses from ENGL278C, AASP274, AASP298W, ENGL274, ENGL271, ENGL294N, or ENGL294. Also offered as: ENGL274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: AASP298W.

Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Dorothy Phaire TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP297 **Research Methods in African American Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R.

Introduces African American Studies majors to the basic research skills methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Sharon Harley TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 1102

AASP298A **Special Topics in African American Studies; African American History, 1865-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.

0101	Kelly Quinn M 5:30pm - 8:00pm	Seats (Total: 40) KEY 0103

AASP298F **Special Topics in African American Studies; Caribbean Film and Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.

Contact department for information to register for this course.

AASP298L **Special Topics in Afro-American Studies: African-American Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL, D General Education: DSHU, DVUP

Also offered as ENGL234. Credit granted for AASP298L or ENGL234.

0101	Mary Washington TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0236

0102	Edlie Wong TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0205

AASP298Z **Special Topics in African American Studies; Jazz as a Cultural Art Form**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory multi-disciplinary and inter-disciplinary educational experience to explore issues relevant to black life, cultural experiences, and political, economic, and artistic development.

Formerly: AASP298U.

0101	Ronald Zeigler M 2:00pm - 4:30pm	Seats (Total: 43) NCC 0130

AASP303 **Computer Applications in African American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT100, MATH111, or SOCY201; or students who have taken courses with comparable content may contact the department.

Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

0101	Instructor: TBA TuTh 5:30pm - 6:45pm	Seats (Total: 20) LEF 0214

AASP305 **Theoretical, Methodological and Policy Research Issues in African American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP301; and (STAT100, MATH111, PSYC200, BMGT230, or SOCY201). Or students who have taken courses with comparable content may contact the department. Formerly: AASP401.

Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

0101	Christopher St.Vil M 2:00pm - 4:30pm	Seats (Total: 18) KEY 0117

AASP310 **African Slave Trade**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP202 or AASP100; or permission of BSOS-African American Studies department. Formerly: AASP311.

The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	Ibrahim Kargbo	Seats (Total: 35)
	W 1:00pm - 3:30pm	MMH 3418

AASP313 **Black Women in United States History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Sophomore standing or higher. Also offered as: WMST314. Credit only granted for: AASP498W, AASP313, HIST329E, WMST314, or WMST498N. Formerly: AASP498W.

Black American women's history is examined from slavery to the present. The principal focus of the readings discussions and student assignments will be based upon gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social change agents. A variety of primary source materials on black women's experiences will be utilized.

0101	Elsa Barkley Brown	Seats (Total: 35)
	W 5:30pm - 8:00pm	LEF 2166

AASP386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-African American Studies department; and junior standing or higher.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

Credits: 3 Grading Method: Regular

Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397.

A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Sharon Harley	Seats (Total: 10)
	Tu 2:00pm - 4:30pm	TLF 1102

AASP397 **Senior Thesis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-African American Studies department.

Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398C **Selected Topics in the African Diaspora; African American Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of Africans in the diaspora.

Prerequisite: Must have completed two lower-level English courses, at least one in literature; or permission of ARHU-English department. Also offered as AASP398C. Credit grandted for AASP398C or ENGL371.

0101	Instructor: TBA	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0214

AASP398Q **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

Credits: 3 Grading Method: Regular

Analysis of the historical experiences and cultures of Africans in the diaspora.

0101	Robert Choflet	Seats (Total: 35)
	Th 4:00pm - 6:30pm	LEF 1220

AASP402 **Classic Readings in African American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP202 or AASP100.

Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

0101	David Terry Tu 4:00pm - 6:30pm	Seats (Total: 23) PLS 1146

AASP411 **Black Resistance Movements**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP100.

A comparative study of the black resistance movements in Africa and America; analysis of their interrelationships as well as their impact on contemporary pan-Africanism.

0101	Ida Jones Tu 6:30pm - 9:00pm	Seats (Total: 35) KEY 0103

AASP441 **Science, Technology, and the Black Community**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department.

Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

0101	Jerry Semper W 4:00pm - 6:30pm	Seats (Total: 40) SQH 1101

AASP443 **Blacks and the Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department.

The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

0101	Joseph Clark	Seats (Total: 35)
	W 6:00pm - 8:30pm	LEF 1220

AASP478L **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced studies in the humanities, often requiring prerequisites, focusing on the literary, artistic and philosophical contributions of Africans and African Americans.

Contact department for information to register for this course.

AASP498F **Special Topics in Black Culture; Women in Caribbean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Contact department for information to register for this course.

AASP498K **Special Topics in Black Culture; Black Masculinities in Art, Music, and Dacne**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

0101	Jason Nichols	Seats (Total: 35)
	Tu 4:00pm - 6:30pm	KEY 0116

AASP498Q **Special Topics in Black Culture; A Critical Examination of Race through Hip-Hop and Sports**

Credits: 3 Grading Method: Regular

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

The goal of this course is to empower students with language and critical skills to analyze how the concepts of race, white privilege, sports, and hip-hop music operate in society; particularly as it relatesto stereotypes and social inequality.

0101	Robert Turner W 3:00pm - 5:45pm	Seats (Total: 35) ARM 0105

AASP498W **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

0101	Jonathan England M 5:00pm - 7:30pm	Seats (Total: 45) TYD 2109

AASP499N **Advanced Topics in Public Policy and the Black Community; Gentrification: The Evolution of Urban Neighborhoods**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

0101	Leila Batties Th 2:00pm - 4:45pm	Seats (Total: 35) TYD 0117

AASP499Q **Advanced Topics in Public Policy and the Black Community; Social Inequalities and Racial Disparities in Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

0101	Gniesha Dinwiddie TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 2106

AAST Asian American Studies Spring 2015

AAST200 **Introduction to Asian American Studies**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective.

Also offered as AMST298C.

0101	Julie Park TuTh 3:30pm - 4:45pm	Seats (Total: 40) TWS 0207	

AAST201 **Asian American History**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221.

Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Douglas Ishii MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) EDU 3315 EDU 0202	 Discussion
0102	Douglas Ishii MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) EDU 3315 EDU 0202	 Discussion

AAST222 **Immigration and Ethnicity in America**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

Also offered as: HIST222. Credit only granted for: AAST222, HIST219L, or HIST222.

The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture.

Also offered as HIST222. Credit granted for AAST222 or HIST222.

0101	Douglas Ishii	Seats (Total: 40)
	MW 3:30pm - 4:45pm	KEY 0126

AAST233 **Introduction to Asian American Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Also offered as: ENGL233. Credit only granted for: ENGL233 or AAST233.

A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis	Seats (Total: 35)
	M 2:00pm - 4:30pm	SQH 1101

AAST378 **Experiential Learning**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Field experience/internship in professional organizations and appropriate private and governmental agencies serving the Asian American community.

0101	Janelle Wong	Seats (Total: 3)
	Contact instructor or department for details.	

AAST388 **Independent Research**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Directed, independent study in Asian American Studies resulting in the completion of an original research paper.

0101	Jude Paul Dizon, Janelle Wong	Seats (Total: 30)
	Contact instructor or department for details.	

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Study of a specific theme or issue involving the Asian America experience.

Asians and Asian Americans have long been subjects of the popular American cinematic imagination. Using the lenses of abjection and Orientalism, this class will consider the particular roles Asians and Asian Americans play in popular American cinema, specifically in relation to shifting formations of "America" and "American".

0101	Lawrence-Minh Davis	Seats (Total: 40)
	M 5:00pm - 7:30pm	SQH 1101

AAST398N **Selected Topics in Asian American Studies; Asian American Popular Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of a specific theme or issue involving the Asian America experience.

Also offered as AMST328D. Credit granted for AAST398N or AMST328D. Advanced interdisciplinary survey about how Asian and Asian American peoples have created and consumed popular culture, including television, food, comedy, pop music, and new media, to express identity, community, history, and political critique. Topics of discussion will include race, ethnicity, and nationality; Asian exclusion in the U.S.; the model minority and forever foreigner myths; Asian American social movements; and the intersections of racism, sexism, classism, and homophobia.

0101	Douglas Ishii	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	WDS 0104

AAST398O **Selected Topics in Asian American Studies; Immigrant Youth, Identity and Organizing for the Future**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of a specific theme or issue involving the Asian America experience.

Also offered as AMST328E. Credit granted for AAST398O or AMST328E. Explores how immigrant youth are navigating identity, systems of oppression, and activism. Using popular education and workshop-based learning, students will critically analyze youth organizing around topics such as educational equity, juvenile justice, and immigrant rights. Youth experiences will be examined within the larger historical, political, social, and economic context in the U.S.

0101	Neha Singhal	Seats (Total: 35)
	W 4:00pm - 6:30pm	TYD 0111

AAST398R **Selected Topics in Asian American Studies; Cultural Imagination in the U.S.- China Relations, 1783 to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of a specific theme or issue involving the Asian America experience.

Also offered as HIST428F. Credit will be granted for AAST398R or HIST 428fF.

0101	James Gao	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	KEY 1117

AAST498V **Advanced Topics in Asian American Studies; Asian American Religions and Spirituality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.

As a wide-ranging examination of Asian American religious life, we will engage in an interdisciplinary analysis of religious traditions, institutions, and experiences of Asians in the U.S. We will look at Asian American spiritual cultures and how their beliefs and practices help us to better understand an evolving racial and religious landscape in the United States. Hindu temple building, pioneering Buddhists, the popularization of yoga, Sikh identity post 9/11, burgeoning Muslim and evangelical Christian communities, and second-generation multiethnic churches are just some of the topics explored in this seminar.

0101	Janelle Wong	Seats (Total: 15)
	Th 2:00pm - 4:30pm	ARC 1125

AAST498Z **Advanced Topics in Asian American Studies; Asian Americans: Law and Social Movements**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.

Also offered as AMST418P. Credit will be granted for AAST498Z or AMST 418P. Students will explore issues such as civil rights, affirmative action, immigration and gender equity through the lens of Asian Americans, who are the fastest growing race category in America today. Additional topics that will be explored are how these issues uniquely affect Asian Americans and the strategies and mechanisms through which they organize to address these issues in their communities and at policy levels. The class will incorporate readings from law and policy, as well as guest speakers who advocate on behalf of Asian Americans in Washington, DC.

0101	Deepa Iyer	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0103

AGNR Agriculture and Natural Resources Spring 2015

AGNR301 **Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: PUAF301. Credit only granted for: AGNR301 or PUAF301.

Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Daria Karetnikov	Seats (Total: 100)
	M 3:30pm - 4:45pm	CHM 1402
	W 3:30pm - 4:45pm	HJP 0226

AGNR388 **Honors Thesis Research**

(Perm req)

Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

0101	Leon Slaughter	Seats (Total: 20)
	Contact instructor or department for details.	

AGNR489 **Field Experience; Travel Study Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of the course. A lecture series organized to study in depth a selected phase of agriculture not normally associated with one of the existing programs.

0101	Evelyn Cooper	Seats (Total: 2)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Spring 2015

AMSC420 **Mathematical Modeling**

(Perm req) Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: MATH240 or MATH461; and (MATH241, MATH246, and STAT400); and permission of CMNS-Mathematics department. Also offered as: MATH420. Credit only granted for: AMSC420 or MATH420.

The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Wojciech Czaja TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH 1313

AMSC460 Computational Methods

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131). Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.

Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami MW 3:30pm - 4:45pm	Seats (Total: 43) CSI 1121
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0303
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0201

AMSC466 Introduction to Numerical Analysis I

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131). Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.

Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Instructor: TBA	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	ARM 0121

AMSC498A **Selected Topics in Applied Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics in applied mathematics of special interest to advanced undergraduate students.

Contact department for information to register for this course.

AMSC612 **Numerical Methods in Partial Differential Equations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed one graduate level course in partial differential equations OR one theoretical graduate level course in an applied mathematics field; or permission of instructor.

Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

0101	Ricardo Nochetto	Seats (Total: 22)
	TuTh 5:00pm - 6:15pm	MTH 1308

AMSC661 **Scientific Computing II**

Credits: 3 Grading Method: Regular

Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: CMSC661. Credit only granted for: AMSC661 or CMSC661.

Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Howard Elman	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSI 2120

AMSC664 **Advanced Scientific Computing II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: AMSC663. Restriction: Permission of instructor. Also offered as: CMSC664. Credit only granted for: AMSC664 or CMSC664.

In the sequence AMSC 663, AMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	CSI 4122

AMSC674 **Partial Differential Equations II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: MATH674. Credit only granted for: AMSC674 or MATH674.

Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions.

Offered Spring only.

0101	Matei Machedon	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	MTH 2300

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.

A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	William Rand	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

(Perm req)

Credits: 1 Grading Method: Regular

This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Konstantina Trivisa	Seats (Total: 20)
	Contact instructor or department for details.	
	Prerequisites: Oral and written communications skills are critical for he applied statistician. Limited to MS non-thesis and doctoral students in the Applied Statistics Area, for whom the resulting Projects serve as a Qualifying Exam component.	

AMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC808A **Advanced Topics in Applied Mathematics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

AMSC808R **Advanced Topics in Applied Mathematics; Sparse and Low Rank Representations: Analytical Methods and Industrial Applications**

Credits: 3 | Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Radu Balan TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 1110

AMSC898 **Pre-Candidacy Research**

Credits: 1-8 | Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 | Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST American Studies Spring 2015

AMST101 **Introduction American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHU, DVUP

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0101	Tatiana Benjamin MWF 9:00am - 9:50am	Seats (Total: 25) SQH 2119
0102	Terrance Wooten MWF 10:00am - 10:50am	Seats (Total: 25) SQH 2121
0201	Kalima Young TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1111
0202	Patricia Akinbola MWF 12:00pm - 12:50pm	Seats (Total: 25) SQH 2120

AMST202 **Cultures of Everyday Life in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

0101	Jennie Chaplin	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 1123

AMST204 **Film and American Culture Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Susan Pramschufer	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	HBK 0302H
	This section will meet the Hornbake Non-Print Media room.	

AMST205 **Material Aspects of American Life**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Tony Perry	Seats (Total: 25)
	TuTh 8:00am - 9:15am	SQH 1107

AMST212 **Diversity in American Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Izetta Mobley TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1101	

AMST289A **Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHS, DSHU, DVUP, SCIS

Formerly: AMST298B.

0101	Asim Ali M 12:00pm - 1:40pm W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1101	Discussion
0102	Asim Ali M 12:00pm - 1:40pm W 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1101	Discussion
0103	Asim Ali M 12:00pm - 1:40pm F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1119	Discussion
0104	Asim Ali M 12:00pm - 1:40pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1119	Discussion

AMST298C **Introduction to Asian American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D

Also offered as AAST200. Credit will be granted for one of the following: AAST200 or AMST298C.

0101	Julie Park TuTh 3:30pm - 4:45pm	Seats (Total: 40) TWS 0207	

AMST328A **Perspectives on Identity and Culture; Latina/o Sexualities: Borders, Migration, and Citizenship**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Also offered as IMMR319B and USLT498F. Credit granted for AMST328A, IMMR319B, or USLT498F.

0101	Cristina Perez	Seats (Total: 35)
	MWF 11:00am - 11:50am	SQH 1107

AMST328D **Perspectives on Identity and Culture; Asian American Popular Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Also offered as AAST398N. Credit granted for AAST398N or AMST328D. Advanced interdisciplinary survey about how Asian and Asian American peoples have created and consumed popular culture, including television, food, comedy, pop music, and new media, to express identity, community, history, and political critique. Topics of discussion will include race, ethnicity, and nationality; Asian exclusion in the U.S.; the model minority and forever foreigner myths; Asian American social movements; and the intersections of racism, sexism, classism, and homophobia.

0101	Douglas Ishii	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	WDS 0104

AMST328N **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Also offered as ANTH468F and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

AMST340 **Introduction to History, Theories and Methods in American Studies**

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.

Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Robert Chester	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 2113

AMST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

Faculty mentored independent learning. Online interaction using Blackboard required.

0601	Jo Paoletti	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular

Individual research, thesis and oral defense. The research project will be conducted under the supervision of a faculty member.

Contact department for information to register for this course.

AMST398 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular

Provides the student with the opportunity to pursue independent, interdisciplinary research and reading in specific areas of American culture studies.

Contact department for information to register for this course.

AMST399Z **Community-based American Studies; Maryland Social Entrepreneur Corps I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Faculty mentored service-learning or community-based research.

Also offered as BMGT398E. Credit granted for BMGT398E or AMST399Z. Restricted to students participating in the Maryland Social Entrepreneur Corps program. Participating students will be automatically enrolled in the course by Education Abroad. For more information about the program, please contact Jennifer Precht in Education Abroad (jprecht@umd.edu).

0101	Sara Herald	Seats (Total: 30)
	Meets March 23, 2015 - May 8, 2015	
	W 5:00pm - 8:35pm	VMH 1314

AMST418G **Cultural Themes in America; Food, Trauma, and Sustainability**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."

Restriction: Permission of ARHU-American Studies department. Pre- requisite: At least three credit hours of prior coursework in AMST.

0101	Psyche Williams-Forson	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	SQH 2121

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

(Perm req)

Credits: 3 Grading Method: Regular

Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."

Prerequisite: At least three credit hours of prior coursework in AMST.

Contact department for information to register for this course.

AMST418O **Cultural Themes in America; Laugh Until It Hurts: African American Humor and Its Social Contexts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."

0101	Instructor: TBA	Seats (Total: 35)
	W 3:30pm - 6:10pm	TYD 0101

AMST418P **Cultural Themes in America; Asian Americans: Law and Social Movements**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."

Also offered as AAST498Z. Credit will be granted for AAST498Z or AMST 418P. Students will explore issues such as civil rights, affirmative action, immigration and gender equity through the lens of Asian Americans, who are the fastest growing race category in America today. Additional topics that will be explored are how these issues uniquely affect Asian Americans and the strategies and mechanisms through which they organize to address these issues in their communities and at policy levels. The class will incorporate readings from law and policy, as well as guest speakers who advocate on behalf of Asian Americans in Washington, DC.

0101	Deepa Iyer	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0103

AMST428E **American Cultural Eras; Myth and Memory: 1975**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Investigation of a decade, period, or generation as a case study in significant social change within an American context. Case studies include "Antebellum America, 1840-1860" and "American culture in the Great Depression."

0101	Jo Paoletti	Seats (Total: 26)
	MW 2:00pm - 3:15pm	MMH 1304

AMST429J **Perspectives on Popular Culture; Social Activism and Popular Culture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in popular culture studies, including the examination of particular genres, themes, and issues.

Prerequisite: At least three credit hours of prior coursework in AMST. This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.

0101	Sheri Parks	Seats (Total: 15)
	W 3:00pm - 5:30pm	KEY 0117

AMST429R **Perspectives on Popular Culture; Crime and Punishment in African American Expressive Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in popular culture studies, including the examination of particular genres, themes, and issues.

0101	Instructor: TBA	Seats (Total: 15)
	MW 2:00pm - 3:15pm	SQH 1107

AMST450 **Seminar in American Studies**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program.

Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Jo Paoletti	Seats (Total: 20)
	MW 10:00am - 11:15am	SQH 1103

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

Credits: 3 Grading Method: Regular

Topics of special interest.

Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Robert Chester	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1107

AMST498K **Special Topics in American Studies; Indigenous Thought in the Americas**

Credits: 3 Grading Method: Regular

Topics of special interest.

Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as RELS419B. Credit granted for AMST498K or RELS419B.

0101	James Maffie	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1107

AMST603 **Current Approaches to American Studies**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (American Studies (Master's); American Studies (Doctoral)) . Or permission of ARHU-American Studies department; and permission of instructor.

Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

0101	Mary Sies	Seats (Total: 15)
	Tu 4:00pm - 6:40pm	SQH 2113

AMST628C **Seminar in American Studies; Critical Interrogations and the Politics of Belonging: The Evolution and Future of Latina/o Studies**

Credits: 3 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 15)
	Tu 11:30am - 2:10pm	SQH 4105

AMST628F **Seminar in American Studies; Myth and Memory: 1975**

Credits: 3 Grading Method: Regular, Audit

0101	Jo Paoletti	Seats (Total: 4)
	MW 2:00pm - 3:15pm	SQH 2122

AMST628Q **Seminar in American Studies; Laboring Subjects: Cultural Politics of Work in the 20th and 21st Centuries**

Credits: 3 Grading Method: Regular, Audit

0101	Jan Padios	Seats (Total: 15)
	W 4:00pm - 6:40pm	SQH 2113

AMST655 **Introduction to Museum Scholarship**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Anthropology (Master's); American Studies (Master's); History (Master's); American Studies (Doctoral); Historic Preservation (Master's); Anthropology (Doctoral); History (Doctoral)) ; or permission of ARHU-American Studies department. Also offered as: HIST610, ANTH655. Credit only granted for: AMST655, ANTH655, or HIST610.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

The class will be held at the National Museum of American History in the East Conference Room on the 4th floor, room 4609.

0101	Instructor: TBA	Seats (Total: 19)
	M 4:00pm - 6:40pm	Location: TBA

AMST698 **Directed Readings in American Studies**

(Perm req)

Credits: 3 Grading Method: Regular

This course is designed to provide students with the opportunity to pursue independent, interdisciplinary research and reading in specific aspects of American culture under the supervision of a faculty member.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: AMST856; and permission of Museum Scholarship Program required. Also offered as: ANTH857, HIST811. Credit only granted for: AMST857, ANTH857, or HIST811.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANSC Animal Science Spring 2015

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 **Principles of Animal Science**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized.

0101	Kasey Moyes	Seats (Total: 80)
	MW 12:00pm - 12:50pm	ANS 0408

ANSC212 **Applied Animal Physiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC211; or students who have taken courses with comparable content may contact the department.

The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences.

0101	Zhengguo Xiao, Edward Orlando MWF 1:00pm - 1:50pm	Seats (Total: 80) ANS 0408	

ANSC214 **Applied Animal Physiology Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ANSC212.

Application of physiological laboratory techniques to domestic and lab animals.

Students must pay a $50.00 laboratory materials fee.

0101	Zhengguo Xiao M 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab
0102	Zhengguo Xiao W 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab
0103	Instructor: TBA F 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab

ANSC227 **Eating with Eyes Wide Open**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS, SCIS

Students will investigate the tension that is created by trade-offs that, knowingly or not, are made by consumers relative to agricultural production methods and dietary choices. Course will inform students about their food supply so they can make informed decisions and practice intentional or informed eating.

0101	R Apter MW 9:00am - 9:50am F 8:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 1144	Lab
0102	R Apter MW 9:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 20) ANS 0408 ANS 1144	Lab
0103	R Apter MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 20) ANS 0408 ANS 1144	Lab

ANSC232 **Horse Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC232 or ANSC332. Formerly: ANSC332.

An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business.

Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 20) ANS 0408 ANS 0412	 Lab
0102	Amy Burk MW 11:00am - 11:50am F 11:00am - 1:00pm	Seats (Total: 20) ANS 0408 ANS 0408	 Lab

ANSC235 **Applied Small Ruminant Parturition**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ANSC101 and ANSC103. Restriction: Must be in one of the following programs (Animal Sciences: Animal Care & Management; Animal Sciences: Equine Studies; Animal Sciences: Laboratory Animal Care; Animal Sciences: Sciences/Preprofessional; Animal Sciences: Animal Biotechnology; Agricultural and Veterinary Medicine).

Popularly known as "Lamb Watch", the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc.

Students must pay a $50.00 laboratory materials fee.

0101	Sarah Balcom W 3:00pm - 3:50pm M 2:00pm - 3:30pm	Seats (Total: 16) ANS 0408 Location: TBA	 Lab
0102	Sarah Balcom W 3:00pm - 3:50pm Th 2:00pm - 3:30pm	Seats (Total: 16) ANS 0408 Location: TBA	 Lab

ANSC236 **Equine Business Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC232. Recommended: AREC250. Credit only granted for: ANSC236 or INAG232.

The study and practice of applying decision-making skills and tools needed for operating a profitable equine boarding or training stable business.

0101	R Apter	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ANS 0402

ANSC237 **Equine Reproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC232. Credit only granted for: ANSC237 or INAG233. Additional information: Course participation will include nightly checks of mares in the two weeks prior to parturition, and out-of-class time imprinting and working with newborn foals.

Students learn the fundamental skills necessary to manage equine reproductive services including anatomy/physiology of genital tracts, estrus detection, manipulation of the estrous cycle, survey of reproductive techniques, infertility, mare, foal and stallion management. Students will be required to attend a foaling and check mares outside of regularly scheduled class time.

Students must pay a $50.00 laboratory materials fee.

0101	R Apter	Seats (Total: 16)
	TuTh 11:00am - 12:15pm	ANS 1144

ANSC250 **Companion Animal Care and Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: BSCI105. Credit only granted for: ANSC250 and ANSC305. Formerly: ANSC305.

Care and management of the companion small animals. Species covered include the cat, dog, rodents, lagomorphs, reptiles, amphibians, birds and others as class interest and schedule dictate. Basic description, evolutionary development, breeding, nutritional and environmental requirements, and public health aspects will be presented for each species.

0101	Sarah Balcom	Seats (Total: 60)
	MWF 10:00am - 10:50am	ANS 0408

ANSC260 **Laboratory Animal Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC260 or ANSC413. Formerly: ANSC413.

A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time.

Students must pay a $50.00 laboratory materials fee.

0101	Angela Black MW 10:00am - 10:50am F 8:00am - 12:00pm	Seats (Total: 20) ANS 0412 Location: TBA	 Lab

ANSC315 **Applied Animal Nutrition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC314.

Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock.

Students must pay a $50.00 laboratory materials fee.

0101	Richard Erdman TuTh 12:30pm - 1:45pm Th 8:00am - 8:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0102	Richard Erdman TuTh 12:30pm - 1:45pm Th 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion
0103	Richard Erdman TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0473	 Discussion

ANSC327 **Molecular and Quantitative Animal Genetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101, CHEM131, ANSC103, and BSCI105.

Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza, Li Ma	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	ANS 0408

ANSC340 **Health Management of Animal Populations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: BSCI223; and (ANSC220, ANSC232, ANSC242, ANSC250, ANSC255, ANSC260, or ANSC262). Recommended: ANSC212. Credit only granted for: ANSC340 or ANSC412. Formerly: ANSC412.

A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

0101	Sarah Balcom	Seats (Total: 45)
	TuTh 9:30am - 10:45am	ANS 0408

ANSC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ANSC388 **Honors Thesis Research**

(Perm req)

Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

4501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ANSC399 **Special Problems in Animal Science**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.

Contact department for information to register for this course.

ANSC435 **Experimental Embryology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: ANSC212. Recommended: Completion of one course in reproductive physiology is recommended. Credit only granted for: ANSC435 or ANSC489M. Formerly: ANSC489M.

Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer.

Students must pay a $50.00 laboratory materials fee.

0101	Carol Keefer Tu 2:00pm - 3:15pm Th 2:00pm - 5:00pm	Seats (Total: 20) ANS 0108 ANS 0108	 Lab

ANSC444 **Domestic Animal Endocrinology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC212; or permission of instructor. Restriction: Must not have completed ANSC644. Credit only granted for: ANSC489I, ANSC444, or ANSC644. Formerly: ANSC489I.

Current developments in endocrinology as it relates to animals used in the production of food and other products important to the well being of humans will be covered.

0101	Edward Orlando	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	ANS 0402

ANSC452 **Avian Physiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC212. Restriction: Junior standing or higher.

The digestive, excretory, respiratory, circulatory, immune, skeletal muscle, endocrine and nervous systems of avian species will be examined.

0101	Nickolas Zimmermann, Tom Porter	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ANS 0402

ANSC453 **Animal Welfare and Bioethics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Restriction: Junior standing or higher.

Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

0101	William Stricklin	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	ANS 0412

ANSC489 **Current Topics in Animal Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Examination of current developments in the animal sciences.

Contact department for information to register for this course.

ANSC489O **Current Topics in Animal Science; Nutritional Aspects of Metabolic Disease**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of current developments in the animal sciences.

Prerequisite: ANSC101, CHEM131, and BSCI105 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0402

ANSC489Q **Current Topics in Animal Science; Advance Animal Biotechnology: Perspectives from Current Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of current developments in the animal sciences.

Prerequisites: ANSC327; recommended ANSC437 and ANSC497. Lectures and discussions will illustrate current advances in Animal transgenesis and biotechnology. There will be a strong focus on comparative invertebrate and vertebrate animal transgenesis with model organisms for discussion ranging from lower invertebrates (C.elegans, D. melanogaster) to mice and large animals. Additionally, special topics like Stem Cell Biology will also be covered.

0101	Bhanu Telugu	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ANS 1144

ANSC489R **Current Topics in Animal Science; Zoonotic Diseases and Control**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of current developments in the animal sciences.

Prerequisites: BSCI223; recommended NFSC430; or permission of instructor. Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

0101	Debabrata Biswas	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ANS 0412

ANSC627 **Molecular and Quantitative Genetics**

Credits: 3 Grading Method: Regular, Audit

Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza, Li Ma	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0408

ANSC644 **Molecular and Cellular Endocrinology**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not have completed ANSC444. Credit only granted for: ANSC444,ANSC489I, ANSC644, or ANSC688I. Formerly: ANSC688I.

A comprehensive course covering the major endocrine systems in animals. Lecture topics include major endocrine axes, hormonal regulation of homeostasis, growth and reproduction, and endocrine mechanisms of action. Advanced concepts in the molecular and cell biology of hormone action and regulation addressed in weekly discussion sessions centered on current research publications in the field of molecular and cellular endocrinology.

0101	Edward Orlando	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	ANS 0402

ANSC660 **Poultry Literature**

Credits: 1-4 Grading Method: Regular, Audit

Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688A **Special Topics; Advance Animal Biotechnology: Perspectives from Current Literature**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

Prerequisites: ANSC327; recommended ANSC437 and ANSC497. Lectures and discussions will illustrate current advances in Animal transgenesis and biotechnology. There will be a strong focus on comparative invertebrate and vertebrate animal transgenesis with model organisms for discussion ranging from lower invertebrates (C.elegans, D. melanogaster) to mice and large animals. Additionally, special topics like Stem Cell Biology will also be covered.

0101	Bhanu Telugu	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	ANS 1144

ANSC688F **Special Topics; Mathematical Modeling of Biological Systems**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

A core background and understanding of principles of mathematical modeling in biological systems with emphasis on nutrient metabolism is provided. All aspects of model development will be taught with weekly assignments to reinforce the lessons. The course will give insight into building, evaluating, and deriving parameters for empirical and mechanistic models that apply to nutrient metabolism and cell biology problems.

0101	Richard Erdman	Seats (Total: 5)
	Contact instructor or department for details.	

ANSC688J **Special Topics; Zoonotic Diseases and Control**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

Prerequisites: BSCI223; recommended NFSC430; or permission of instructor. Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

0101	Debabrata Biswas	Seats (Total: 10)
	TuTh 9:30am - 10:45am	ANS 0412

ANSC688O **Special Topics; Nutritional Aspects of Metabolic Disease**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

Prequisite: ANSC101, CHEM131, and BSCI105 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0402

ANSC688W **Special Topics; Advanced Animal Welfare**

Credits: 1-4 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

0101	William Stricklin	Seats (Total: 6)
	MW 4:00pm - 5:15pm	ANS 0412

ANSC688Y **Special Topics; Lipid Metabolism**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

The hallmark of common diseases is the dysregulation of lipid metabolism, transport, storage, and utilization. Topics will include lipid metabolism, lipid transport, lipid droplet cell biology, brown fat and thermogenesis, "browning" of white fat, and lipids and common diseases such as obesity, fatty liver, diabetes, and cardiovascular disease.

0101	Liqing Yu	Seats (Total: 20)
	MW 10:00am - 11:15am	ANS 0402

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

Credits: 1 Grading Method: Regular, Audit

Students are required to prepare papers based upon current scientific publications relating to animal science, or upon their research work, for presentation before and discussion by the class; (1) recent advances; (2) nutrition; (3) physiology; (4) biochemistry.

0101	Richard Kohn	Seats (Total: 30)
	Tu 3:30pm - 5:30pm	ANS 0408

ANSC699 **Special Problems in Animal Science**

(Perm req)

Credits: 1-2 Grading Method: Regular, Audit

Work assigned in proportion to amount of credit. Prerequisite: approval of staff. Problems will be assigned which relate specifically to the character of work the student is pursuing.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ANTH Anthropology Spring 2015

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL, DVUP

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

0101	Susan Steen MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 20) SHM 2102 WDS 0124C	 Lab
0102	Susan Steen MW 3:00pm - 4:15pm Tu 11:00am - 1:00pm	Seats (Total: 20) SHM 2102 WDS 0124C	 Lab

0103	Susan Steen MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 20) SHM 2102 WDS 0124C	Lab
0104	Susan Steen MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 20) SHM 2102 WDS 0124C	Lab
0105	Susan Steen MW 3:00pm - 4:15pm Th 11:00am - 1:00pm	Seats (Total: 20) SHM 2102 WDS 0124C	Lab
0106	Susan Steen MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 20) SHM 2102 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0201	Instructor: TBA TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 WDS 0104	Discussion
0202	Instructor: TBA TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) MMH 1400 WDS 0104	Discussion
0203	Instructor: TBA TuTh 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 25) MMH 1400 WDS 0104	Discussion

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3 | Grading Method: Regular, Audit | CORE: SB, D | General Education: DSHS, DVUP

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0102	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0103	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0104	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0105	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0106	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0201	David Colon Cabrera TuTh 3:00pm - 4:15pm	Seats (Total: 35) EGR 0108	
0301	Jeremy Trombley MW 3:30pm - 4:45pm	Seats (Total: 35) TYD 2108	

ANTH265 **Anthropology of Global Health**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS, DVUP, SCIS

An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

0101	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 20) WDS 1114 WDS 1130	 Discussion
0102	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) WDS 1114 WDS 1130	 Discussion
0103	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 20) WDS 1114 WDS 1130	 Discussion

ANTH298D **Special Topics in Anthropology; Introduction to Zooarchaeology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS, DSSP

Anthropological perspectives on selected topics of broad general interest.

0101	George Hambrecht MW 9:30am - 10:45am	Seats (Total: 25) WDS 1114

ANTH305 **Archaeological Methods and Practice**

Credits: 3 | Grading Method: Regular

Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ARTH305, CLAS305. Credit only granted for: ANTH305, ARTH305, or CLAS305.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht MW 12:00pm - 1:15pm	Seats (Total: 35) SKN 1115

ANTH340 **Method and Theory in Archaeology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH240. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.

Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	Michael Roller	Seats (Total: 35)
	W 3:00pm - 5:45pm	WDS 1114

ANTH345 **Introduction to Laboratory Methods in Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

The processing, curation, cataloging and analysis of data is an important part of any archaeology field project. Students will learn that basics of laboratory techniques necessary for the final analysis and interpretation of field data.

0101	Stefan Woehlke	Seats (Total: 20)
	MW 12:00pm - 1:15pm	WDS 0124C

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH260. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.

Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH380 **Culture and Discourse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contemporary discourse analysis and pragmatics applied to ethnographic research problems with particular attention to roots in recent linguistic anthropological work in ethnographic semantics and ethnography of speaking.

SG91	Jacqueline Messing	Seats (Total: 39)
	Th 3:30pm - 6:00pm	BLD3 2206
	This section is limited to Shady Grove COMM majors or by permission of the UMCP Anthropology department.	

ANTH386 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398B **Independent Study; Modern Tribes of Rome**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398I **Independent Study; Great Kingdoms of Ancient Near East**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

0101	William Stuart	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH398T **Independent Study; Proseminar-Capstone Thesis**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

0101	William Stuart	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH429A **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens, and Public Policy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Upper level biological anthropology courses on varying topics derived from new interests of the faculty or the specialties of visiting scholars.

SG91	Marilyn London	Seats (Total: 40)
	M 2:00pm - 4:50pm	BLD3 3240
	Limited to BSCI Shady Grove majors or by permission of the Anthropology department.	

ANTH447 **Material Culture Studies in Archaeology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Prerequisite: ANTH240. Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH448C.

An in-depth introduction to the world of material culture studies with focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH448B **Special Topics in Archaeology; Archaeology Law & Preservation**

Credits: 3 Grading Method: Regular

Advanced topics in archaeological research, corresponding to new theoretical developments, faculty research interests, or specialties of visiting scholars. Prerequisites may vary with course topic; check with the department for requirements.

0101	Donald Craib Tu 6:00pm - 8:45pm	Seats (Total: 15) WDS 1130

ANTH448P **Special Topics in Archaeology; Anthropological Theories of the Past**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced topics in archaeological research, corresponding to new theoretical developments, faculty research interests, or specialties of visiting scholars. Prerequisites may vary with course topic; check with the department for requirements.

Also offered as ANTH 740. Prerequisite: ANTH240.

0101	Mark Leone Tu 3:00pm - 5:40pm	Seats (Total: 15) WDS 1130

ANTH468D **Special Topics in Cultural Anthropology; Amazon Through Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

Also offered as LASC448Q. Credit will be granted for ANTH468D or LASC448 Q.

0101	Janet Chernela M 6:00pm - 8:45pm	Seats (Total: 20) WDS 1114

ANTH468F **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

Also offered as AMST328N and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

ANTH468I **Special Topics in Cultural Anthropology; Langauge as Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

0101	Janet Chernela	Seats (Total: 30)
	M 2:00pm - 4:45pm	WDS 1114

ANTH468Q **Special Topics in Cultural Anthropology; Health Disparities in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1118

ANTH469P **Advanced Special Topics in Cultural Anthropology; Culture, Cognition, and Environment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Upper level cultural anthropology courses on varying topics derived fro new interests of the faculty or the specialties of visiting scholars.

Prerequisite: junior standing or higher.

0101	Michael Paolisso	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	WDS 1131

ANTH469T **Advanced Special Topics in Cultural Anthropology; Anthropology of Cultural Heritage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Upper level cultural anthropology courses on varying topics derived fro new interests of the faculty or the specialties of visiting scholars.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1114

ANTH469X **Advanced Special Topics in Cultural Anthropology; Global Sexual Economies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Upper level cultural anthropology courses on varying topics derived fro new interests of the faculty or the specialties of visiting scholars.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 20) LEF 2166

ANTH472 **Medical Anthropology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: ANTH472, ANTH468, ANTH672, or ANTH688L. Formerly: ANTH468L.

An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Judith Freidenberg Th 2:00pm - 4:40pm	Seats (Total: 20) JMZ 0105

ANTH476 **Senior Research**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.

Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

(Perm req)

Credits: 3-4 Grading Method: Regular

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

(Perm req)

Credits: 3-4 Grading Method: Regular

Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.

Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH491 **Applied Urban Ethnography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: ANTH260. Also offered as: ANTH617. Credit only granted for: ANTH468B, ANTH491, or ANTH617. Formerly: ANTH468B.

The focus is on the use of applied ethnographic field methods in community assessment research in urban settings. Also, it will extend beyond most ethnographic training in which the emphasis is on being there, and relying predominantly on the classical ethnographic methods of recursive observations, participant observations, and a variety of approaches to interviewing.

0101	Tony Whitehead	Seats (Total: 20)
	Th 2:00pm - 4:45pm	SYM 0215

ANTH492 **Ethnology of Immigrant Life**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Credit only granted for: ANTH498N, ANTH492, ANTH689N, or ANTH692. Formerly: ANTH498N.

Explores social issues affecting local immigrant populations through readings, research and service learning. Theorizing immigration as a social policy issue in the U.S. culture, students learn about the specific contributions that anthropology has made to the understanding of immigration: globalization on the one hand, and the context of daily life in local neighborhoods on the other.

0101	Judith Freidenberg	Seats (Total: 15)
	Tu 6:00pm - 8:40pm	TYD 0101
	Contact instructor or department for details.	

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Requires 4 hours/week of off-campus service learning. Can only be taken concurrently with ANTH491 or ANTH617.

0101	Tony Whitehead	Seats (Total: 10)
	Contact instructor or department for details.	

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

Credits: 3 | Grading Method: Regular, Audit

Also offered as: ANTH491. Credit only granted for: ANTH468B, ANTH617, or ANTH688B.

Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead	Seats (Total: 10)
	Th 2:00pm - 4:45pm	SYM 0215

ANTH630 **Quantification and Statistics in Applied Anthropology**

Credits: 3

Grading Method: Regular,
Audit

Restriction: Must be in one of the following programs (Anthropology (Doctoral); Anthropology (Master's)).

An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

Restriction: Must be in one of the following programs (Anthropology (Doctoral); Anthropology (Master's)).

0101	Sean Downey	Seats (Total: 20)
	M 5:00pm - 7:45pm	WDS 1130

ANTH647 **Advanced Material Culture Studies in Archaeology**

Credits: 3

Grading Method: Regular,
Audit

Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH689C.

An in-depth introduction to the world of material culture studies with focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH655 **Introduction to Museum Scholarship**

Credits: 3

Grading Method: Regular,
Audit

Restriction: Must be in one of the following programs (Historic Preservation (Master's); History (Doctoral); History (Master's); Anthropology (Doctoral); Anthropology (Master's); American Studies (Master's); American Studies (Doctoral)) ; or permission of BSOS-Anthropology department. Also offered as: AMST655, HIST610. Credit only granted for: ANTH655, AMST655, or HIST610.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

The class will be held at the National Museum of American History in the East Conference Room on the 4th floor, room 4609.

0101	Instructor: TBA M 4:00pm - 6:40pm	Seats (Total: 19) Location: TBA

ANTH672 **Advanced Studies in Medical Anthropology**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH472, ANTH468L, ANTH672, or ANTH688L. Formerly: ANTH688L.

An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Judith Freidenberg Th 2:00pm - 4:40pm	Seats (Total: 10) JMZ 0105

ANTH688A **Current Developments in Anthropology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Contact department for information to register for this course.

ANTH688I **Current Developments in Anthropology; Language as Practice**

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

0101	Janet Chernela M 2:00pm - 4:45pm	Seats (Total: 10) WDS 1114

ANTH688Q **Current Developments in Anthropology; Health Disparities in the U.S.**

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 10) TYD 1118

ANTH689A **Special Problems in Anthropology**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ANTH689B **Special Problems in Anthropology; Archaeology Law & Preservation**

Credits: 3 Grading Method: Regular, Sat-Fail

0101	Donald Craib Tu 6:00pm - 8:45pm	Seats (Total: 10) WDS 1130

ANTH689N **Special Problems in Anthropology; Ethnology of Immigrant Life**

Credits: 4 Grading Method: Regular, Sat-Fail

0101	Judith Freidenberg Tu 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 10) TYD 0101

ANTH689P **Special Problems in Anthropology; Culture, Cognition, and Environment**

Credits: 3 Grading Method: Regular, Sat-Fail

0101	Michael Paolisso TuTh 2:00pm - 3:15pm	Seats (Total: 10) WDS 1131

ANTH689T **Special Problems in Anthropology; Anthropology of Cultural Heritage**

Credits: 3 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 10) WDS 1114

ANTH689X **Special Problems in Anthropology; Global Sexual Economies**

Credits: 3 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 20) LEF 2166

ANTH701 **Anthropology Internship Preparation**

Credits: 3 Grading Method: Regular, Audit

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ANTH789.

The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH722 **Ecological Anthropology**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs (Anthropology (Doctoral); Anthropology (Master's)). Credit only granted for: ANTH720 or ANTH722.

An overview of important approaches to ecological anthropology. Population, systems, community, political, behavioral and evolutionary ecology will be examined as they have been applied to a range of anthropological questions. Complexity theory (nonlinear dynamics) and topics in game theory will also be addressed. Students will map the field of ecological anthropology and to assess the strengths and weaknesses of contemporary approaches, methods and theories.

0101	Sean Downey Th 5:00pm - 7:45pm	Seats (Total: 15) WDS 1127

ANTH740 **Theories of the Past and Accomplishments of Archaeology**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH689P or ANTH740. Formerly: ANTH689P.

The primary purpose is to highlight some of the key achievements made b archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life.

Also offered as ANTH448P.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	WDS 1130

ANTH788 **Internship Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH857 **Museum Scholarship Practicum**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: HIST811, AMST857. Credit only granted for: ANTH857, AMST857, or HIST811.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

1005	Judith Freidenberg	Seats (Total: 10)
	Contact instructor or department for details.	

ANTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Spring 2015

AOSC123 **Causes and Implications of Global Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS, SCIS

Also offered as: GEOL123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123. Formerly: METO123.

Responsible policy and decision making on issues related to the global environment requires understanding of the basic scientific issues, relationships between the geophysical and biological sciences, the impacts on regional and global endeavors, and the political manner in which humans respond. This course embodies an integrated introduction to the broad scientific and social aspects of the global change problem.

0101	Michael Evans	Seats (Total: 20)	
	MW 12:00pm - 12:50pm F 9:00am - 9:50am	CSS 2324 PLS 1164	Discussion
0102	Michael Evans	Seats (Total: 20)	
	MW 12:00pm - 12:50pm F 10:00am - 10:50am	CSS 2324 PLS 1164	Discussion
0103	Michael Evans	Seats (Total: 20)	
	MW 12:00pm - 12:50pm F 11:00am - 11:50am	CSS 2324 PLS 1164	Discussion

0104	Michael Evans MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0105	Michael Evans MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0106	Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion

AOSC200 **Weather and Climate**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNL (if taken with AOSC201), DSNS, SCIS

Prerequisite: MATH110 or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200.

Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.

A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.*

0101	Timothy Canty TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2416	Discussion
0102	Timothy Canty TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0103	Timothy Canty TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0104	Timothy Canty TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 BPS 1238	Discussion

0201	Timothy Canty TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 HBK 1108	Discussion
0202	Timothy Canty TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 ARM 0119	Discussion
0203	Timothy Canty TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CHM 0119	Discussion
0204	Timothy Canty TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 BPS 1232	Discussion

AOSC201 **Weather and Climate Laboratory**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Corequisite: AOSC200. Formerly: METO201.

Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.

0101	Meredith Nichols M 2:00pm - 3:50pm	Seats (Total: 20) CSS 3426	Lab
0102	Meredith Nichols W 2:00pm - 3:50pm	Seats (Total: 20) CSS 3426	Lab
0103	Instructor: TBA F 8:00am - 9:50am	Seats (Total: 20) CSS 3426	Lab
0104	Instructor: TBA M 12:00pm - 1:50pm	Seats (Total: 20) CSS 3426	Lab
0105	Instructor: TBA F 12:00pm - 1:50pm	Seats (Total: 20) CSS 3426	Lab
0106	Instructor: TBA F 2:00pm - 3:50pm	Seats (Total: 20) CSS 3426	Lab

0107	Allison Ring Tu 3:30pm - 5:20pm	Seats (Total: 20) CSS 3426	Lab
0108	Instructor: TBA W 12:00pm - 1:50pm	Seats (Total: 20) CSS 3426	Lab

AOSC347 **Computing and Data Analysis: Deciphering Climate Change Clues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH140. Recommended: Familiarity with basic descriptive statistics. Credit only granted for: AOSC347 or AOSC358L. Formerly: AOSC358L.

A comprehensive introductory course designed to prepare students to identify, interpret, and visualize Earth's climate variations observed in the past and projected into the future. The class emphasizes real-world applications, providing students with essential hands-on experience using MATLAB for data analysis and visualization, developing analytical skills for observational and modeling data, and performing virtual experiments to distinguish data contributing factors. Students will gain an understanding of the scientific issues concerning the modern global warming debate on detection and attribution including: signal vs noise, trend vs periodicity, natural vs anthropogenic forcing, local vs remote response, mean vs extreme changes, and accuracy vs uncertainty.

0101	Juying Warner, Xin-Zhong Liang TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSS 3426	

AOSC401 **Climate Dynamics and Earth System Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AOSC400 or AOSC200; or permission of instructor. Formerly: METO401.

The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere; carbon cycle and biogeochemistry. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

0101	Zhanqing Li TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSS 2428	

AOSC424 **Remote Sensing of the Atmosphere and Ocean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of instructor.

Many of the properties of the atmosphere, ocean, and land surface are most easily observed from satellite remote sensing. This course will provide students with a hands-on introduction to a variety of passive and active sensing techniques and sensors observing our changing environment. Topics include: orbital dynamics and electromagnetic properties of the atmosphere and surface; atmospheric emission characteristics and scattering; chemical composition and spectroscopy; temperature retrievals; detection and retrieval of aerosol, cloud and rain; ocean surface properties; sea surface temperature and color; active sensing of wind stress, sea level, and internal waves; time-dependent gravity; properties of vegetation and ice.

0101	Derrick Lampkin MW 2:00pm - 3:15pm	Seats (Total: 25) CSS 2416

AOSC432 **Large Scale Atmospheric Dynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AOSC431. Corequisite: MATH246. Credit only granted for: AOSC432, METO432, or AOSC632. Formerly: METO432.

Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Geostrophic/balanced and ageostrphic/unbalanced motion. Circulation, vorticity, and potential vorticity. Introduction to the boundary layer.

0101	Raghu Murtugudde TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 2416
AM01	Raghu Murtugudde TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC433 **Atmospheric Chemistry and Climate**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: CHEM433. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: AOSC434.

The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels.

0101	Ross Salawitch	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC472 **Mesoscale Meteorology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AOSC432, AOSC600, AOSC610, or AOSC470. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC602. Credit only granted for: AOSC472 or AOSC602.

An introduction to mesoscale meteorology including the topics of mesoscale approximations, aspects of fronts and frontogenesis theory, piecewise potential vorticity inversion, mesoscale waves and instability, orographic mesoscale phenomena, isolated convection, mesoscale convective systems, and tropical cyclones.

0101	Scott Rudlosky	Seats (Total: 15)
	MW 4:45pm - 6:00pm	CSS 3400

AOSC494 **Atmospheric and Oceanic Science Seminar**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in AOSC431 and AOSC432.

Exposure to a wide range of contemporary topics in atmospheric, oceanic and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Derrick Lampkin	Seats (Total: 20)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC498 **Senior Research Project II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The project will be based on the research or development plan created i AOSC493. It may be completed with the approval of a faculty advisor in conjunction with an internship. Final written thesis and oral defense will be expected.

Contact department for information to register for this course.

AOSC499 **Special Problems in Atmospheric Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study in the field of meteorology and the atmospheric and oceanic sciences.

Contact department for information to register for this course.

AOSC611 **Dynamics of the Atmosphere and Oceans II**

Credits: 3 Grading Method: Regular, Audit

Formerly: METO611.

Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

0101	Da-Lin Zhang MWF 11:00am - 11:50am	Seats (Total: 25) CSS 2416
AM01	Da-Lin Zhang MWF 11:00am - 11:50am	Seats (Total: 5) CSS 2416

AOSC617 **Atmospheric and Oceanic Climate**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: AOSC610; or permission of instructor. Formerly: METO617.

The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

0101	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 20) CSS 2416
AM01	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC621 **Physics and Chemistry of the Atmosphere II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH462; or students who have taken courses with comparable content may contact the department. Formerly: METO621.

Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

0101	Xin-Zhong Liang TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 0201
AM01	Xin-Zhong Liang TuTh 9:30am - 10:45am	Seats (Total: 4) CSS 0201

AOSC625 **Remote Inference of Atmospheric Properties by Satellite**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: AOSC621. And MATH461; or students who have taken courses with comparable content may contact the department. Recommended: Non-degree-seeking students require permission of the instructor. Formerly: METO625.

Fundamentals of radiative transfer concepts, theories and models pertinent to remote sensing. Satellite platforms, sensors and systems used for operation and research in atmospheric remote sensing. Concepts and technologies of passive and active remote sensing. Remote sensing methods and products of atmospheric constituents, aerosol, cloud, precipitation, temperature and water vapor profiles, precipitation in liquid and ice forms, radiation budget, and remote sensing application in data assimilation for numerical weather forecast (NWP); use of atmospheric remote sensing products for development of global climate model (GCM).

0101	Zhanqing Li MW 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3120
AM01	Zhanqing Li MW 3:30pm - 4:45pm	Seats (Total: 5) JMZ 3120

AOSC630 **Statistical Methods in Meteorology and Oceanography**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT400; or students who have taken courses with comparable content may contact the department. Formerly: METO630.

Parametric and non-parametric tests; time series analysis and filtering wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

0101	Eugenia Kalnay	Seats (Total: 15)	
	W 12:00pm - 1:00pm	CSS 3400	
	W 1:00pm - 2:30pm	CSS 3400	
AM01	Eugenia Kalnay	Seats (Total: 1)	
	W 12:00pm - 1:00pm	CSS 3400	
	W 1:00pm - 2:30pm	CSS 3400	Discussion

AOSC633 **Atmospheric Chemistry and Climate**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: CHEM633. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: AOSC658R.

The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels.

0101	Ross Salawitch	Seats (Total: 8)
	TuTh 2:00pm - 3:15pm	CSS 2416
AM01	Ross Salawitch	Seats (Total: 1)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC634 **Air Sampling and Analysis**

Credits: 3 Grading Method: Regular, Audit

Formerly: METO634.

Theory and application of analytical techniques for the analysis of atmospheric gases and particles including priority pollutants. Combined chemical and meteorological considerations in designing field experiments.

0101	Russell Dickerson MW 12:00pm - 12:50pm F 10:00am - 12:00pm	Seats (Total: 20) CSS 2416 CSS 3426	 Lab
AM01	Russell Dickerson MW 12:00pm - 12:50pm F 10:00am - 12:00pm	Seats (Total: 5) CSS 2416 CSS 3426	 Lab

AOSC658E **Special Topics in Meteorology; Data Assimulation**

Credits: 3 Grading Method: Regular, Audit

Various special topics in meteorology are given intensive study. The topic of concentration varies, from semester to semester and depends on student and faculty interests. Often, specialists from other institutions are invited to the campus on a visiting lectureship basis to conduct the course.

Contact department for information to register for this course.

AOSC661 **Sustainability Modeling**

Credits: 3 Grading Method: Regular

Suitable for students who are concerned with sustainability issues, have little or no background in computational modeling, but would like to understand what modeling can do to help solve sustainability problems. By exploring a variety of contemporary societal issues (e.g., water scarcity, biodiversity loss, energy dependence), you will be introduced to modeling approaches for simulating and quantitatively understanding sustainability variables (inputs and outputs), and using modeling towards the design of policy measures that can be implemented as a response to such issues.

0101	Fernando Miralles-Wilhelm MW 4:30pm - 5:45pm	Seats (Total: 20) PLS 1117	
AM01	Fernando Miralles-Wilhelm MW 4:30pm - 5:45pm	Seats (Total: 5) PLS 1117	

AOSC675 **Carbon Cycle and Climate: Past, Present, and Future**

Credits: 3 Grading Method: Regular, Audit

The fundamentals of the Earth's carbon cycle, a key biogeochemical cycl that controls Earth's climate and life. The changing characteristics of the carbon cycle on several timescales, ranging from geological, interannual, and the more recent anthropogenic influences on carbon cycle and climate. The carbon cycle in the atmosphere, land, ocean, and the biosphere. The underlying human activities such as fossil fuel burning and deforestation that are responsible for the increase in the atmosphere CO2 and our future options in dealing with the carbon problem such as alternative energy and carbon sequestration.

0101	Ning Zeng Tu 9:30am - 11:45am	Seats (Total: 12) CSS 3425
AM01	Ning Zeng Tu 9:30am - 11:45am	Seats (Total: 1) CSS 3425

AOSC798 **Directed Graduate Research**

Credits: 1-3 Grading Method: Sat-Fail

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

Credits: 1 Grading Method: Sat-Fail

A broad range of topics in the contemporary sciences of atmosphere, ocean, climate and synoptic meteorology are covered.

0101	Derrick Lampkin TuTh 3:30pm - 4:30pm	Seats (Total: 5) Location: TBA

AOSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ARAB Arabic Spring 2015

ARAB101 **Elementary Arabic I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Introduction to modern standard Arabic in both its spoken and written form. Equal emphasis on all four skill areas: speaking, listening, reading, and writing.

Contact department for information to register for this course.

ARAB105 **Elementary Modern Standard Arabic III-IV**

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Zein El-Amine MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1111
0201	Dina El-Hefnawy M 2:00pm - 3:50pm WF 2:00pm - 3:50pm	Seats (Total: 15) SQH 1123 SQH 1101
0301	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1123

ARAB205 **Intermediate Modern Standard Arabic II**

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

CORE: HO

Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

0101	Lutf Alkebsi MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2117
0201	Lutf Alkebsi MWF 10:00am - 11:50am	Seats (Total: 15) SQH 2120

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB206; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic.

Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

0101	Dina El-Hefnawy	Seats (Total: 15)
	MWF 10:00am - 10:50am	SQH 2122

ARAB253 **The Arabian Nights and the Art of Storytelling**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Credit only granted for: ARAB 298B or ARAB253. Formerly: ARAB298B.

One Thousand and One Nights (Arabic Kitab alf laylah wa laylah; English The Arabian Nights) is a collection of stories and folk tales compiled in Arabic during the Islamic Golden Age, and explores how this text has shaped Western perceptions of the Arabic-Islamic world as well as its impact on the literary production of similar works in Europe and the Middle East. Taught in English.

0101	Sayed Elsisi	Seats (Total: 30)
	MW 3:30pm - 4:45pm	JMZ 2207

ARAB305 **Advanced Modern Standard Arabic II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB304; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic.

Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

0101	Peter Glanville	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	SQH 1123	
	F 2:00pm - 2:50pm	SQH 1123	Lab

0201	Instructor: TBA	Seats (Total: 15)	
	W 3:00pm - 4:15pm	SQH 1123	
	M 3:00pm - 4:15pm	SQH 1105	
	F 3:00pm - 3:50pm	SQH 1123	Lab

ARAB398L **Special Topics in Arabic Studies; Practicum in Arabic Languages and Culture: Lebanon**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of a particular aspect of Arabic culture, literature, and language. Specific topic to be announced when offered. Taught in Arabic.

Prerequisite: ARAB304. Not open to fluent or native speakers, or students who have completed ARAB305.

0101	Zein El-Amine	Seats (Total: 15)
	MW 1:00pm - 1:50pm	SQH 1103
	F 1:00pm - 1:50pm	SQH 1101

ARAB402 **Arabic English Translation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB305; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic.

In-depth practicum in translation from Arabic to English. Exploration o the complexities of translation as an exercise of textual interpretation and linguistic transformation.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2207

ARAB499B **Special Topics in Arabic Studies; Fascinating Monsters: American and Middle Eastern Stereotypes in Popular Film and Television**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.

Exploration of cultural stereotyping in American and Middle Eastern cinema and television, focusing on ideological constructs of Otherness, propaganda techniques, and popular perceptions of Americans in Middle Eastern cultural production and Arabs/Muslims/Middle Easterners in American filmic discourses. Readings include theories of propaganda and cultural ideology. Taught in English.

0101	Valerie Anishchenkova	Seats (Total: 20)
	Tu 12:30pm - 3:20pm	JMZ 1117

ARAB499G **Special Topics in Arabic Studies; Folklore and Modernism in Arabic Film and Literature**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.

Prerequisite: ARAB305 and permission of department. Taught in Arabic.

0101	Sayed Elsisi	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMZ 2207

ARAB499R **Special Topics in Arabic Studies; Roots and Patterns: Verb Meaning in Arabic**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.

Prerequisite: ARAB205 and permission of department.

0101	Peter Glanville	Seats (Total: 15)
	MW 3:30pm - 4:45pm	SQH 1107

ARAB499T **Special Topics in Arabic Studies; Contemporary Arab Political Thought**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.

Prerequisite: ARAB305 or permission of department.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 0205

ARCH Architecture Spring 2015

ARCH101 **Foundations in Architecture**

Credits: 1 Grading Method: Regular, Pass-Fail

Prerequisite: UNIV100; or permission of ARCH-Architecture Program. Restriction: Freshman standing.

To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

0401	Golnar Ershad, Marisa Allen, Erica Aronson W 9:00am - 10:50am	Seats (Total: 18) ARC 1127	
0501	Marisa Allen W 11:00am - 12:50pm	Seats (Total: 18) ARC 1127	

ARCH170 **Design Thinking and Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Examines conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem-solving, and design implementation.

BL01	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL02	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL03	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) ARC 0204 ARC 1123	Discussion
	Blended Learning courses combine face-to-face and online interactions.		

BL06	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) ARC 0204 ARC 1127	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL07	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 19) ARC 0204 ARC 1127	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL08	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL13	Instructor: TBA MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 19) ARC 0204 ARC 1121	Discussion

ARCH226 **History of World Architecture II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Sophomore standing or higher.

Survey of architectural history from 1000 to 1800.

0101	Cynthia Field TuTh 2:00pm - 3:15pm	Seats (Total: 150) ARC 0204	

ARCH242 **Basic Architectural Drawing**

Credits: 3 Grading Method: Regular

Prerequisite: ARCH170; or permission of ARCH-Architecture Program.

The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 ARC 1125	 Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 ARC 1125	 Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0105	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 Location: TBA	 Lab

ARCH271 **People, Planet, and Profit: Building Sustainable Places**

Credits: 3 Grading Method: Regular General Education: DSSP

An introduction to the four disciplines represented in the School: architecture and urban design, community planning, historic preservation, and real estate development, that work to create a more sustainable environment for the future to create a more sustainable environment for the future using our interpretation of the quadruple bottom line: socio-cultural, economic, environmental, and design sustainability. Students will be provided with an understanding of the fundamental scholarship and processes of each of these disciplines and examine the intersections between them. Additionally, they will learn by applying the approaches of the four disciplines through a series of field studies.

0101	Germano Gomez, Carl Bovill, John Sprinkle, Willow Lung Amam TuTh 7:00pm - 8:15pm	Seats (Total: 140) ARC 0204

ARCH289I **Sustainability at College Park**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSNS, DSSP, SCIS

Explore the ways and the degrees to which UMCP campus master planning and operations incorporate principles of sustainability including smart growth, LEED and other building rating systems, higher education rating systems, sustainable agriculture and transportation planning. Among other subjects, students will learn about the Campus and the City of College Park and survey the relationship between local, national and global sustainability concerns. Students will learn about the University's Climate Action Plan and the roles, and extent to which, the campus Office of Sustainability and other campus units are helping develop a carbon-neutral and resource-efficient campus infrastructure and will tour selected facilities on campus.

0101	Ralph Bennett	Seats (Total: 120)
	TuTh 5:00pm - 6:15pm	ARC 0204

ARCH386 **Experiential Learning**

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Restriction: Junior standing or higher; and must have learning proposal approved by faculty sponsor and student's internship sponsor.

0101	Michael Brick	Seats (Total: 10)
	Contact instructor or department for details.	

ARCH401 **Architecture Studio II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ARCH400. Restriction: Must be in Architecture (B.S.) program.

Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors.

Restricted to ARCH majors.

0101	Jason Winters	Seats (Total: 54)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH403 **Architecture Studio IV**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Prerequisite: Minimum grade of C- in ARCH402. Restriction: Must be in Architecture (B.S.) program.

Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

Restricted to ARCH majors.

0101	Steven Hurtt	Seats (Total: 56)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH405 **Graduate Architecture Design Studio II**

Credits: 6 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in ARCH404. Restriction: Must be in Architecture (Master's) program.

Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered spring only.

0101	Brian Kelly	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH407 **Graduate Architecture Design IV**

Credits: 6 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in ARCH406. Restriction: Must be in Architecture (Master's) program.

Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high-density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit Oriented Development, density, sustainable development, building typology, and street design.

A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Jana Vandergoot	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH411 **Technology II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH410. Corequisite: ARCH401. Restriction: Must be in Architecture (B.S.) program.

Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling.

Restricted to ARCH majors.

0101	Powell Draper TuTh 9:00am - 10:45am	Seats (Total: 66) ARC 0204

ARCH413 **Architecture Technology IV**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH412. Corequisite: ARCH403. Restriction: Must be in Architecture (B.S.) program.

Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems.

Restricted to ARCH majors.

0101	Carl Bovill TuTh 11:00am - 12:45pm	Seats (Total: 66) ARC 0204

ARCH419 **Independent Studies in Architectural Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the curriculum committee.

2901	Powell Draper Contact instructor or department for details.	Seats (Total: 1)

ARCH420 **History of American Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH221; or permission of ARCH-Architecture Program.

American architecture from the late 17th to the 21st century.

0101	Isabelle Gournay	Seats (Total: 25)
	TuTh 9:30am - 10:45am	ARC 1103

ARCH423 **History of Roman Architecture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

Survey of Roman architecture from 500 B.C. To A.D. 325.

0101	Robert Vann	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ARC 1103

ARCH427 **Theories of Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH426; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.

Selected historical and modern theories of architectural design.

0101	Michele Lamprakos	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	ARC 1121

ARCH428B **Selected Topics in Architectural History; History of British Architecture, Urbanism and Landscape**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH445 **Visual Analysis of Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.

Study of visual principles of architectural and urban precedents throug graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning.

0101	Michele Lamprakos	Seats (Total: 17)
	TuTh 3:30pm - 4:45pm	ARC 1103

ARCH460 **Site Analysis and Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program.

Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Jana Vandergoot	Seats (Total: 26)
	Tu 3:30pm - 6:00pm	ARC 1101

ARCH461 **Sustainability in Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH401; and ARCH410. Or permission of ARCH-School of Architecture, Planning, & Preservation. Credit only granted for: ARCH418S or ARCH461. Formerly: ARCH418S.

Strategies of sustainability as related to the broader context of architectural problem solving.

0101	Carl Bovill	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	ARC 1105

ARCH470 **Computer Applications in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.

Introduction to computer utilization, with emphasis on architectural applications.

Restricted to ARCH majors.

0101	Instructor: TBA	Seats (Total: 23)	
	Tu 7:00pm - 9:30pm	ARC 1115	
	Th 7:00pm - 8:15pm	ARC 1115	

ARCH478A **Selected Topics in Architecture; High Performance Building Enclosures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: permission of ARCH-Architecture Program.

0101	Powell Draper	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	ARC 1121	

ARCH478C **Selected Topics in Architecture; Careers in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restricted to ARCH majors.

0101	Albert Rubeling	Seats (Total: 19)	
	Tu 4:00pm - 6:30pm	ARC 1123	

ARCH478D **Selected Topics in Architecture; Making Place: Public Art and Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Co-taught by faculty in Architecture, Art and Planning, "Making Place: Public Art and Design" introduces the concept of Creative Placemaking which employs art and culture as catalysts to revitalize neighborhoods, build bridges among community stakeholders and explores challenging social, political, and environmental issues associated with place. Students from multiple disciplines will learn to employ design thinking to focus on the analysis and animation of Public Space both on campus and beyond UMD's borders. A hands-on approach will teach participants to employ analytical, innovation, design, and fabrication skills to help generate vitality and community through the production of site-specific installations and ephemeral events.

0101	Ronit Eisenbach, Gerrit Knaap	Seats (Total: 10)	
	MW 9:30am - 12:00pm	ASY 1314	Lab

ARCH481 **The Architect in Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

The role of the architect in field archaeology and the analysis of excavating, recording, and publishing selected archaeological expeditions.

0101	Robert Vann Tu 7:00pm - 9:30pm	Seats (Total: 30) ARC 1101	

ARCH601 **Topical Studio**

Credits: 6 Grading Method: Regular, Audit

Prerequisite: ARCH600. Restriction: Must be in Architecture (Master's) program.

Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity.

Restricted to ARCH, URPD or ARCP majors.

0101	Michael Ambrose MWF 2:00pm - 6:00pm	Seats (Total: 40) Location: TBA	Lab

ARCH628B **Selected Topics in Architectural History; Housing Seminar**

Credits: 3 Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH635 **Seminar in the History of Modern Architecture**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ARCH427; or permission of ARCH-Architecture Program.

Advanced investigation of historical problems in modern architecture.

0101	Isabelle Gournay TuTh 2:00pm - 3:15pm	Seats (Total: 19) ARC 1127

ARCH655 **Urban Design Seminar**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ARCH654; or permission of ARCH-Architecture Program. Credit only granted for: ARCH451 or ARCH655. Formerly: ARCH451.

Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

0101	Matthew Bell Th 7:00pm - 9:30pm	Seats (Total: 12) ARC 1125

ARCH673 **Building Culture**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ARCH402; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (Master's) program.

Comprehension of major themes in the development of architectural building techniques and culture value systems in architecture are developed through lecture, discussion and analysis of seminal readings and buildings.

0101	Amy Gardner Tu 7:00pm - 9:30pm	Seats (Total: 10) ARC 1123

ARCH678 **Selected Topics in Architecture**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH678A **Selected Topics in Architecture; High Performance Building Enclosures**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: permission of ARCH-Architecture Program.

0101	Powell Draper TuTh 2:00pm - 3:15pm	Seats (Total: 15) ARC 1121

ARCH678D **Selected Topics in Architecture; Making Place: Public Art and Design**

Credits: 3 Grading Method: Regular, Audit

of 11 ==========RMargin72 Co-taught by faculty in Architecture, Art and Planning, "Making Place: Public Art and Design" introduces the concept of Creative Placemaking which employs art and culture as catalysts to revitalize neighborhoods, build bridges among community stakeholders and explores challenging social, political, and environmental issues associated with place. Students from multiple disciplines will learn to employ design thinking to focus on the analysis and animation of Public Space both on campus and beyond UMD's borders. A hands-on approach will teach participants to employ analytical, innovation, design, and fabrication skills to help generate vitality and community through the production of site-specific installations and ephemeral events.

0101	Ronit Eisenbach, Gerrit Knaap	Seats (Total: 10)	
	MW 9:30am - 12:00pm	ASY 1314	Lab

ARCH678J **Selected Topics in Architecture; Architecture and Cinema: Place and Film**

Credits: 3 Grading Method: Regular, Audit

A graduate level seminar focused on the intersection and overlap between place making and film media. Comprehension of major themes is engaged through film viewing, lecture, analysis, seminar discussion and creative projects. The course will be centered around seminal films and key selected readings where the themes of architecture, place, community and cinema intersect.

0101	Peter Noonan	Seats (Total: 12)
	Th 7:00pm - 9:30pm	ARC 1127

ARCH678W **Selected Topics in Architecture; ULI Seminar**

Credits: 3 Grading Method: Regular, Audit

0101	Matthew Bell	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	ARC 1123

ARCH679 **Independent Studies in Architecture; Independent Study in Architecture**

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

ARCH797 **Thesis Proseminar**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ARCH601.

Directed research and preparation of thesis program.

0101	Garth Rockcastle	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	ARC 1125

ARCH798 **Thesis in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Complements the research of ARCH 799, with presentation of the design research to student's thesis committee.

Contact department for information to register for this course.

ARCH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Development of master's thesis.

Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Spring 2015

AREC326 **Intermediate Applied Microeconomics**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220, MATH140, or MATH130). Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness). Credit only granted for: ECON306, ECON326, AREC489M, or AREC326. Formerly: AREC489M.

Deepens and broadens your ability to apply rigorous economic analysis skills to a broad range of problems.

0101	Daniel Voica	Seats (Total: 45)
	TuTh 9:30am - 10:45am	KEY 0103

AREC365 **World Hunger, Population, and Food Supplies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DVUP

An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Howard Leathers	Seats (Total: 286)
	MWF 11:00am - 11:50am	ARM 0126

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT100 or MATH111; or students who have taken courses with comparable content may contact the department. And AREC240, ECON200, or AREC250; or students who have taken courses with comparable content may contact the department. Credit only granted for: AREC182 or AREC382. Formerly: AREC182.

Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Anna Alberini	Seats (Total: 30)
	MW 1:00pm - 2:15pm	PLS 1129

AREC386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

0401	Robert Chambers	Seats (Total: 10)
	Contact instructor or department for details.	
0901	Kenneth McConnell	Seats (Total: 10)
	Contact instructor or department for details.	
2003	Anna Alberini	Seats (Total: 10)
	Contact instructor or department for details.	

2201	Howard Leathers Contact instructor or department for details.	Seats (Total: 10)
2401	Erik Lichtenberg Contact instructor or department for details.	Seats (Total: 10)
2601	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 10)
2801	Lars Olson Contact instructor or department for details.	Seats (Total: 10)
2901	Marc Nerlove Contact instructor or department for details.	Seats (Total: 10)
3002	Wesley Musser Contact instructor or department for details.	Seats (Total: 10)
3003	James Hanson Contact instructor or department for details.	Seats (Total: 10)
3004	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 10)
3005	Roberton Williams Contact instructor or department for details.	Seats (Total: 10)
3006	Douglas Lipton Contact instructor or department for details.	Seats (Total: 10)
3101	Loretta Lynch Contact instructor or department for details.	Seats (Total: 10)
3102	Dale Johnson Contact instructor or department for details.	Seats (Total: 10)
3801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

AREC388 **Honors Thesis Research**

(Perm req) Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 5)
3103	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 5)
3104	Ramon Lopez Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 10)
0901	Kenneth McConnell Contact instructor or department for details.	Seats (Total: 10)
2003	Anna Alberini Contact instructor or department for details.	Seats (Total: 10)
2201	Howard Leathers Contact instructor or department for details.	Seats (Total: 10)
2401	Erik Lichtenberg Contact instructor or department for details.	Seats (Total: 10)
2601	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 20)
2801	Lars Olson Contact instructor or department for details.	Seats (Total: 10)
2901	Marc Nerlove Contact instructor or department for details.	Seats (Total: 10)

3002	Wesley Musser Contact instructor or department for details.	Seats (Total: 10)
3003	James Hanson Contact instructor or department for details.	Seats (Total: 10)
3004	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 10)
3005	Roberton Williams Contact instructor or department for details.	Seats (Total: 10)
3006	Douglas Lipton Contact instructor or department for details.	Seats (Total: 10)
3101	Loretta Lynch Contact instructor or department for details.	Seats (Total: 10)
3102	Dale Johnson Contact instructor or department for details.	Seats (Total: 10)

AREC427 **Economics of Commodity Marketing Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03).

Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

0101	Howard Leathers MWF 10:00am - 10:50am	Seats (Total: 30) CHM 1228

AREC435 **Commodity Futures and Options**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: (BMGT230; or ECON321); and (ECON306; or ECON326). Or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03).

The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

0101	Dale Johnson	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	MMH 0108

AREC489G **Special Topics in Agricultural and Resources Economics; Sustainable Economic Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

ECON306 or ECON326. The course will examine why socially equitable and environmentally sustainable economic growth is difficult to achieve. It explores the interactive dynamics of environmental degradation, human capital, inequality and institutions. Emphasis is on the role of market imperfections and political failure in explaining the persistence of extractive economic institutions that hinder sustainable development.

0101	Kenneth Leonard	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	BPS 1236

AREC489K **Special Topics in Agricultural and Resources Economics; Introduction to Agriculture and Resource Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Survey of law with emphasis on problems and applications related to agricultural and natural resource economics. The course emphasizes strategies for managing legal risk arising from ownership, management, and use of agricultural resources. Students will get practical information to utilize in personal or professional settings. Contract law, constitutional law, tort law, property law, real estate transactions, business organization, estate planning, debtor discussed.

0101	Paul Goeringer	Seats (Total: 75)
	MWF 9:00am - 9:50am	MCB 1207

AREC610 **Microeconomic Applications in Agricultural and Resource Markets**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON603.

Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, decision making under uncertainty, valuation of natural resources, and exploitation of natural resources.

0101	Lars Olson, Sebastien Houde, Lint Barrage, Robert Chambers, Kenneth McConnell	Seats (Total: 25)	
	TuTh 9:30am - 10:45am Tu 3:30pm - 5:00pm	SYM 0209 KEY 0121	Discussion

AREC624 Applied Econometrics II

Credits: 4 Grading Method: Regular, Audit

Prerequisite: AREC623.

Variations of the standard linear model, simultaneous equations estimation, nonlinear regression, nonlinear simultaneous equations estimation, static and dynamic panel data models, errors in variables, Hausman tests, discrete choice models such as conditional multinomial and mixed logit models, latent class models, semi-parametric estimation, varying parameter models, unobserved variables, time series models, and model selection procedures.

0101	Anna Alberini, Richard Just	Seats (Total: 30)	
	MW 10:00am - 12:30pm F 10:00am - 12:00pm	SYM 0215 SYM 0115	Discussion

AREC645 Environment and Development Economics

Credits: 3 Grading Method: Regular, Audit

Also offered as: AREC845. Credit only granted for: AREC645 or AREC845.

Considers neoclassical and endogenous growth models; international trad theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Robert Chambers	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	SYM 0209	

AREC699 **Special Problems in Agricultural and Resource Economics**

(Perm req)

Credits: 1-2 Grading Method: Regular, Audit

Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 20)
0901	Kenneth McConnell Contact instructor or department for details.	Seats (Total: 20)
1901	Ramon Lopez Contact instructor or department for details.	Seats (Total: 20)
2003	Anna Alberini Contact instructor or department for details.	Seats (Total: 10)
2101	Richard Just Contact instructor or department for details.	Seats (Total: 20)
2201	Howard Leathers Contact instructor or department for details.	Seats (Total: 20)
2301	Charles Towe Contact instructor or department for details.	Seats (Total: 20)
2401	Erik Lichtenberg Contact instructor or department for details.	Seats (Total: 20)
2601	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 20)
2801	Lars Olson Contact instructor or department for details.	Seats (Total: 20)
2901	Marc Nerlove Contact instructor or department for details.	Seats (Total: 20)
3002	Wesley Musser Contact instructor or department for details.	Seats (Total: 20)

3003	James Hanson Contact instructor or department for details.	Seats (Total: 20)
3004	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 20)
3005	Roberton Williams Contact instructor or department for details.	Seats (Total: 20)
3006	Douglas Lipton Contact instructor or department for details.	Seats (Total: 20)
3007	Pamela Jakiela Contact instructor or department for details.	Seats (Total: 20)
3008	David Newburn Contact instructor or department for details.	Seats (Total: 20)
3009	Sebastien Houde Contact instructor or department for details.	Seats (Total: 20)
3010	Karthik Kalyanaraman Contact instructor or department for details.	Seats (Total: 20)
3011	Jorge Holzer Bilbao Contact instructor or department for details.	Seats (Total: 20)
3012	Lint Barrage Contact instructor or department for details.	Seats (Total: 20)
3013	Snaebjorn Gunnsteinsson Contact instructor or department for details.	Seats (Total: 20)
3101	Loretta Lynch Contact instructor or department for details.	Seats (Total: 20)
3102	Dale Johnson Contact instructor or department for details.	Seats (Total: 20)

AREC799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Regular

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 20)
0901	Kenneth McConnell Contact instructor or department for details.	Seats (Total: 20)
1901	Ramon Lopez Contact instructor or department for details.	Seats (Total: 20)
2003	Anna Alberini Contact instructor or department for details.	Seats (Total: 10)
2101	Richard Just Contact instructor or department for details.	Seats (Total: 20)
2201	Howard Leathers Contact instructor or department for details.	Seats (Total: 20)
2301	Charles Towe Contact instructor or department for details.	Seats (Total: 20)
2401	Erik Lichtenberg Contact instructor or department for details.	Seats (Total: 20)
2601	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 20)
2801	Lars Olson Contact instructor or department for details.	Seats (Total: 20)
2901	Marc Nerlove Contact instructor or department for details.	Seats (Total: 20)
3002	Wesley Musser Contact instructor or department for details.	Seats (Total: 20)
3003	James Hanson Contact instructor or department for details.	Seats (Total: 20)
3004	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 20)
3005	Roberton Williams Contact instructor or department for details.	Seats (Total: 20)

3006	Douglas Lipton Contact instructor or department for details.	Seats (Total: 20)
3007	Pamela Jakiela Contact instructor or department for details.	Seats (Total: 20)
3008	David Newburn Contact instructor or department for details.	Seats (Total: 20)
3009	Sebastien Houde Contact instructor or department for details.	Seats (Total: 20)
3010	Karthik Kalyanaraman Contact instructor or department for details.	Seats (Total: 20)
3011	Jorge Holzer Bilbao Contact instructor or department for details.	Seats (Total: 20)
3012	Lint Barrage Contact instructor or department for details.	Seats (Total: 20)
3013	Snaebjorn Gunnsteinsson Contact instructor or department for details.	Seats (Total: 20)
3101	Loretta Lynch Contact instructor or department for details.	Seats (Total: 20)
3102	Dale Johnson Contact instructor or department for details.	Seats (Total: 20)

AREC845 **Environment and Development Economics**

Credits: 3 Grading Method: Regular, Audit

Also offered as: AREC645. Credit only granted for: AREC645 or AREC845.

Considers neoclassical and endogenous growth models; international trad theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Robert Chambers TuTh 12:30pm - 1:45pm	Seats (Total: 20) SYM 0209

AREC891 **Introduction to Prospectus Development**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Completion of the first year of graduate study in AREC. Credit only granted for: AREC 869K or AREC 891. Formerly: AREC689K.

Critical evaluation of research, prospectus topic exploration including literature review, data identification, model development, and related presentations. Required of all second-year Ph.D. students.

0101	Richard Just	Seats (Total: 22)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ARHU Arts and Humanities Spring 2015

ARHU158A **Explorations in Arts and Humanities; Humanist Approaches to Climate Change**

Credits: 3 Grading Method: Regular General Education: DSHS, DSHU

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first-semester freshmen in the College of Arts and Humanities. Climate change is not simply a STEM problem in search of STEM solutions; it affects every dimension of human endeavor. What can humanists contribute to understanding and addressing climate change? Through the lens of history (how has the debate been framed and argued?), of philosophy (how can we think about the ethical dimensions?), and of art history and archeology (what does climate change portend for cultural preservation?), students will search for fresh perspectives and viable strategies.

0101	David Sicilia	Seats (Total: 15)
	MW 3:00pm - 4:15pm	PLS 1180

ARHU269M **Special Topics in Study Abroad II; Sicily Against the Mafia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU286 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.

Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 3)
	Contact instructor or department for details.	

ARHU318A **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

(Perm req)

Credits: 1 Grading Method: Regular

Colloquium designed to improve students' skills in literary and communication arts through lectures and discussions on the history and craft of writing across cultures. Topics for the different versions of ARHU 318 include poetry, fiction, writing for different media, autobiography and memoir, scriptwriting, screenwriting, and community engagement projects.

0101	Kelly Forsythe	Seats (Total: 15)
	W 4:00pm - 5:30pm	QAN 1132

ARHU318B **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

(Perm req)

Credits: 1 Grading Method: Regular

Colloquium designed to improve students' skills in literary and communication arts through lectures and discussions on the history and craft of writing across cultures. Topics for the different versions of ARHU 318 include poetry, fiction, writing for different media, autobiography and memoir, scriptwriting, screenwriting, and community engagement projects.

Restricted to Jimenez-Porter Writers' House Students

0101	Vivianne Salgado W 5:45pm - 7:15pm	Seats (Total: 15) QAN 1132

ARHU318C **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Community Engagement through Slam Poetery**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium designed to improve students' skills in literary and communication arts through lectures and discussions on the history and craft of writing across cultures. Topics for the different versions of ARHU 318 include poetry, fiction, writing for different media, autobiography and memoir, scriptwriting, screenwriting, and community engagement projects.

Restricted to Jimenez-Porter Writers' House Students.

0101	Jonathan Tucker M 4:30pm - 6:00pm	Seats (Total: 15) QAN 1132

ARHU319A **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSHU, DSSP

Required course for Writers' House students pursuing the notation program. Offered in either poetry or imaginative prose writing. Students work at the intermediate level, refining creative writing skills through cross-cultural reading and writing exercises. As part of the course, students attend a series of lectures and readings given by professional writers.

Restricted to Jimenez-Porter Writer's House students.

0101	Johnna Schmidt F 2:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 25) TWS 1105

ARHU319B **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing to be Seen: Scriptwriting for Theatre, Film and Television**

Credits: 3 Grading Method: Regular General Education: DSHU, DSSP

Required course for Writers' House students pursuing the notation program. Offered in either poetry or imaginative prose writing. Students work at the intermediate level, refining creative writing skills through cross-cultural reading and writing exercises. As part of the course, students attend a series of lectures and readings given by professional writers.

Also offered as ARHU319B. Credit will be granted for ARHU319B and ENGL 278D.

0101	Douglas Kern	Seats (Total: 20)
	MWF 10:00am - 10:50am	SQH 1123

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

(Perm req)

Credits: 3 Grading Method: Regular

Offers exceptional students the opportunity to work closely with a Writer's House faculty member and gain valuable experience. Writers' House UTAs also serve as peer mentors and program leaders. The TA assists with course planning, research, and student advising (as appropriate). Open to graduates of Writer's House notation program.

0101	Johnna Schmidt	Seats (Total: 2)
	Contact instructor or department for details.	

ARHU386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0201	Paula Nadler	Seats (Total: 35)
	Contact instructor or department for details.	

ARHU439J **Interdisciplinary Studies in Arts and Humanities; Social Activism and Popular Culture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An interdisciplinary exploration of chronological, geographical or thematic topics in Arts and Humanities.

This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.

0101	Sheri Parks	Seats (Total: 15)
	W 3:00pm - 5:30pm	KEY 0117

ARHU468 **Peer Mentoring Program**

(Perm req)

Credits: 1 Grading Method: Regular

A workshop for sophomore, junior or senior students who wish to serve a peer mentors helping first-year students to cope with the numerous issues which often arise in the transition to the university.

Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor.

0101	J Greene	Seats (Total: 30)
	M 4:00pm - 5:30pm	KEY 0103

ARHU486 **Internship Practicum in Arts and Humanities**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.

An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU489 **Advanced Internship Practicum in ARHU**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.

0101	Paula Nadler	Seats (Total: 2)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular

Prerequisite: Must have completed one semester of full-time graduate study; and permission of ARHU-College of Arts & Humanities.

Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Spring 2015

ARMY105 **Basic Military Science II**

Credits: 3 Grading Method: Regular

Restriction: Students must meet Officer candidate criteria to participate in field training. Repeatable to 3 credits.

Exploration of the Army Leadership Model through classroom instruction, leadership training and mentorship. Develops knowledge and competency in physical fitness through rigorous training and experiential leadership education through leadership laboratories.

0101	Terrence McCall, Joseph Krinsky	Seats (Total: 40)	
	Tu 1:00pm - 1:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0100	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab
0102	Terrence McCall	Seats (Total: 40)	
	Tu 9:00am - 9:50am	COL 0101	
	Th 4:00pm - 6:00pm	COL 0100	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY119 **ARMY ROTC INDEPENDENT STUDY**

(Perm req)

Credits: 1 Grading Method: Regular

Exploration of the Army Leadership Model through group discussion, leadership exercises and research.

Contact department for information to register for this course.

ARMY202 **Military Leadership in Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ARMY201. Restriction: Sophomore standing or higher.

This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0102	Instructor: TBA	Seats (Total: 40)	
	Tu 2:00pm - 3:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY302 **Advanced Military Leadership II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher.

Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

0101	Curtis Burrell, Joseph Krinsky	Seats (Total: 40)	
	Tu 1:00pm - 3:45pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY402 **Advanced Military Leadership IV**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing.

The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

0101	Curtis Burrell, Joseph Krinsky	Seats (Total: 30)	
	MW 1:00pm - 2:30pm	COL 0102	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARSC Air Science Spring 2015

ARSC059 **Air Force Officer Lab**

Credits: 1 Grading Method: Sat-Fail

Offers Air Force ROTC cadet officer's practical experience in military leadership, management, organization, and customs. May include visits to military installations, weekend laboratories, and flight orientation.

Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly: ARSC159. Additional information: This course does not carry any credit toward any degree at the University.

0101	Instructor: TBA	Seats (Total: 250)
	Th 7:00am - 8:50am	Location: TBA
	Course meets in front of COL. Contact instructor for details.	

ARSC101 **The USAF Today II**

Credits: 1 Grading Method: Regular

Corequisite: AFROTC cadets must also register for ARSC059.

Freshman course for AFROTC. Continuation of ARSC100 for freshmen AFROTC cadets. Study of topics relating to the Air Forces and defense. Focuses on organizational structure and missions of the Air Force; officership and an introduction to both written and oral communication skills.

0101	Instructor: TBA	Seats (Total: 18)
	Tu 9:00am - 9:50am	COL 2126
0102	Instructor: TBA	Seats (Total: 90)
	Th 9:00am - 9:50am	TWS 1100

ARSC201 **The Development of Air Power II**

Credits: 1 Grading Method: Regular

Corequisite: AFROTC cadets must also register for ARSC059.

Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior.

0101	Instructor: TBA Th 10:00am - 10:50am	Seats (Total: 49) COL 0101
0103	Instructor: TBA Tu 8:00am - 8:50am	Seats (Total: 25) COL 2126

ARSC301 **Management and Leadership II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher.

Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers. This course will satisfy credit towards a minor in military studies.

0101	Instructor: TBA Th 9:00am - 12:00pm	Seats (Total: 21) COL 2126
0102	Instructor: TBA TuTh 12:30pm - 2:00pm	Seats (Total: 21) COL 2126

ARSC399 **Independent Study in Air and Space Power Implementation**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study to broaden understanding of the implementation of air and space power. Topics of research are selected by the student and instructor to focus the student on a particular aspect of air and space power implementation during a particular campaign or conflict.

0101	Jiemin Hou Contact instructor or department for details.	Seats (Total: 10)

ARSC401 **National Security Forces in Contemporary American Society II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARSC300 or ARSC301; or permission of UGST-AFROTC-Air Science. Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing.

This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism. This course will satisfy credit towards a minor in military studies.

0101	Instructor: TBA Th 9:00am - 12:00pm	Seats (Total: 30) COL 0102
0102	Instructor: TBA TuTh 2:00pm - 3:30pm	Seats (Total: 18) COL 2126

ARTH Art History & Archaeology Spring 2015

ARTH169B **Special Topics in Study Abroad I; Arts of Modernity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU, DVUP

Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Instructor: TBA TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion
0102	Louise Martinez TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0103	Instructor: TBA TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Louise Martinez TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Louise Martinez TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Louise Martinez TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HA	General Education: DSHU, DVUP

Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Steven Mansbach MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0103	Steven Mansbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0104	Steven Mansbach MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0105	Steven Mansbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion

ARTH221 **Color: Art, Science, and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Restriction: Sophomore standing or lower.

An interdisciplinary exploration of the intersections of art, science, and culture. Using research on human vision, neurobiology, and cognitive psychology, examines how vision works, why we see color, and how we respond to color. Investigates the cultural significance of color: how artists across time and cultures have had access to and used color; how cultures have created specific language to describe color; and how cultures have imbued color with profane, sacred, and/or symbolic meanings.

0101	Instructor: TBA TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 25) ASY 2203 ASY 3211	Discussion
0102	Renee Ater TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) ASY 2203 ASY 3211	Discussion
0103	Instructor: TBA TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 25) ASY 2203 ASY 3211	Discussion
0104	Renee Ater TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3211	Discussion

ARTH250 **Art and Society in the Ancient American World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU, DVUP

Surveys major arts and architecture of the pre-Columbian world, including Mesoamerican and Andean cultures from the earliest known civilizations through European contact and conquest. Acquaints students with the monumental architecture, urban planning, painting, sculpture, and portable arts of the ancient Americas.

0101	Beryl Bland MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0102	Beryl Bland MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0103	Beryl Bland MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0104	Beryl Bland MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH303 **Roman Art and Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Sites and monuments of painting, sculpture, architecture, and the minor arts from the earliest times through the third century A.D. with emphasis on the Italian peninsula from the Etruscan period through that of Imperial Rome.

0101	Maryl Gensheimer TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3215

ARTH305 **Archaeological Methods and Practice**

Credits: 3 Grading Method: Regular

Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ANTH305, CLAS305. Credit only granted for: ANTH305, ARTH305, or CLAS305.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht MW 12:00pm - 1:15pm	Seats (Total: 35) SKN 1115

ARTH346 **Nineteenth-Century European Art from 1850**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major trends from Realism and Impressionism to Symbolism, exploring the historical context, in which concepts of gender, class, and race are integral to the transformation of Western art.

0101	June Hargrove TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3215

ARTH350 **Twentieth-Century Art to 1945**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTH201.

Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

0101	Greg Metcalf TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3211

ARTH359O **Film as Art; Shakespeare on Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

0101	Greg Metcalf	Seats (Total: 30)
	W 3:30pm - 7:00pm	HBK ROOM J

ARTH361 **American Art Since 1876**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Painting, sculpture, architecture, and the decorative arts in North America after 1876.

0101	Renee Ater	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3211

ARTH369B **Special Topics in Study Abroad III; Bernini**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH369G **Special Topics in Study Abroad III; Art Gallery Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH369Q **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH369R **Special Topics in Study Abroad III; Michaelangelo in Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH372 **Modern Latin American Art to 1945**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Recommended: ARTH371. Restriction: Must not have completed ARTH389L during the following semester; Fall 2010, Fall 2011, or Fall 2012. Credit only granted for: ARTH372 or (ARTH389L in Fall 2010, Fall 2011, or Fall 2012). Formerly: ARTH389L in Fall semesters of 2010, 2011, 2012 only.

Painting and sculpture in Latin America, with an emphasis on avant-garde movements in Mexico City, Havana, Buenos Aires, Sao Paulo, and Rio de Janeiro.

0101	Abigail McEwen	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

ARTH382 **Art of Japan before 1500**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ARTH382 or ARTH384. Formerly: ARTH384.

Thematically-focused topics in painting, sculpture, architecture and decorative arts of early and medieval Japan, from 5000 BC to 1500 AD.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH386 **Experiential Learning**

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTH389I **Special Topics in Art History and Archaeology; Michaelangelo in Rome**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH389K **Special Topics in Art History and Archaeology; Contemporary Chinese Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as FILM329K. Credit will be granted for ARTH389K or FILM329k.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	HBK 0302J

ARTH389Z **Special Topics in Art History and Archaeology; Jewish Art in the Twentieth Century**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH465 **The Landscape in Modern and Contemporary Art**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTH201. Credit only granted for: ARTH465 or (ARTH489B taken in Spring 2008 or Spring 2009). Formerly: ARTH489B.

A consideration of the representations of outdoor spaces since 1850. Focuses on the ways in which artists have understood and tried to make sense of modern and postmodern cities, suburbs, and rural areas.

0101	Joshua Shannon	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3211

ARTH488F **Colloquium in Art History; Paris and Global Culture in the 19th Century**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

0101	June Hargrove	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ASY 3217

ARTH488L **Colloquium in Art History; 20th-c. Latin American Art: Exhibition Practicum at The Art Gallery**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

0101	Abigail McEwen	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488P **Colloquium in Art History; Living in the Shadow of Vesuvius: Pompeii, Herculaneum and Stabiae**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

0101	Maryl Gensheimer	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH489F **Special Topics in Art History; Photography and Art History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Wendy Grossman	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	ASY 3217

ARTH489K **Special Topics in Art History; Art History and the Museum World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Aneta Georgievska-Shine	Seats (Total: 15)
	F 2:00pm - 4:30pm	ASY 3211

ARTH489Z **Special Topics in Art History; Art in London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH738C **Seminar in Seventeenth-Century Southern European Art; Figuring the Body in Early Modern European Art**

Credits: 3

Grading Method: Regular, Audit

0101	Anthony Colantuono Tu 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH739B **Seminar in Seventeenth-Century Northern European Art; Peter Paul Rubens (at Home and Abroad)**

Credits: 3

Grading Method: Regular, Audit

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH759B **Seminar in Twentieth-Century Art; Photorealism**

Credits: 3

Grading Method: Regular, Audit

0101	Joshua Shannon Th 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH759C **Seminar in Twentieth-Century Art; Futurisms**

Credits: 3

Grading Method: Regular, Audit

0101	Steven Mansbach M 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH779B **Seminar in Japanese Art; Artistic Relations Between Japan and the United States**

Credits: 3

Grading Method: Regular, Audit

0101	Alicia Volk Th 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH789B **Selected Topics in Art History; Critical Curatorial Practices and Online Exhibition; The Poet-Painter Lo CH'ing**

Credits: 3 Grading Method: Regular, Audit

0101	Jason Kuo	Seats (Total: 6)
	Tu 3:00pm - 5:40pm	ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ARTT Art Studio Spring 2015

ARTT100 **Two-Dimensional Design Fundamentals**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Principles and elements of two-dimensional design. Introduction to visual communication.

Students must pay a $40.00 studio lab fee.

0101	Instructor: TBA	Seats (Total: 18)	
	TuTh 9:00am - 11:30am	ASY 2318	Lab

0201	Instructor: TBA TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0401	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Wendy Jacobs MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0601	Wendy Jacobs MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0701	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Instructor: TBA TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2318	Lab
1001	Instructor: TBA TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab

0201	Matthew McLaughlin TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Stephen Williams MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab
0401	Stephen Williams MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab
0501	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0601	Instructor: TBA TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
0701	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0801	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
0901	Instructor: TBA MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
1001	Instructor: TBA MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3215	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion

0103	Richard Klank MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3211	 Discussion
0201	Aydin Hamami TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion
0202	Aydin Hamami TuTh 3:30pm - 4:20pm Tu 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0203	Aydin Hamami TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion

ARTT200 **Three-Dimensional Art Fundamentals**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110.

Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials.

Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0201	Dane Winkler MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 1314	 Lab
0301	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab

ARTT210 **Elements of Drawing II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT110.

Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.

Students must pay a $40.00 studio lab fee.

0101	Robert Hackett TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	Lab
0201	Instructor: TBA MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2315	Lab
0301	Lillian Hoover MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	Lab
0401	Jennifer Watson TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2315	Lab

ARTT255 **Introduction to Digital Art and Design Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.

Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.

Students must pay a $40.00 studio lab fee.

0101	Shannon Collis MW 1:00pm - 3:30pm	Seats (Total: 24) CSS 1410	Lab
0201	Narendra Ratnapala TuTh 12:30pm - 3:00pm	Seats (Total: 24) CSS 1410	Lab
0301	Instructor: TBA TuTh 3:30pm - 6:00pm	Seats (Total: 24) CSS 1410	Lab

ARTT320 **Elements of Painting**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes of oil and/or acrylic painting.

Students must pay a $40.00 studio lab fee.

0101	Emily Conover TuTh 9:00am - 11:30am *This section uses acrylic paint only.*	Seats (Total: 18) ASY 3312	Lab
0201	Lillian Hoover MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 3318	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 15) ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to metal casting.

Students must pay a $40.00 studio lab fee.

0101	Instructor: TBA MW 12:30pm - 3:00pm	Seats (Total: 12) ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to metal casting.

Students must pay a $40.00 studio lab fee.

0101	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing.

Students must pay a $40.00 studio lab fee.

0101	Instructor: TBA	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes using wood and mixed media.

Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes using wood and mixed media.

This course is restricted to departmental honors students only. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT340 **Elements of Printmaking: Intaglio**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to etching, aquatint, and drypoint.

Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341 **Elements of Printmaking: Woodcut and Relief**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media.

Contact department for information to register for this course.

ARTT343 **Elements of Printmaking: Screen Printing**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

Includes photographic processes. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates.

Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT353 **Elements of Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.

Students must pay a $40.00 studio lab fee.

Click here for more course information.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0401	Lab
	MW 9:00am - 11:30am	MMH 0110	Lab
0201	Sora Devore	Seats (Total: 10)	
	MW 12:30pm - 3:00pm	MMH 0401	Lab
	MW 12:30pm - 3:00pm	MMH 0110	Lab

ARTT357 **Interactive Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT355 and ARTT356.

In-depth exploration of interactive design and website construction. Emphasis on concept-driven and community-based projects using variety of interactive software programs.

Students must pay a $40.00 studio lab fee.

0101	Malcolm Jones	Seats (Total: 20)	
	TuTh 2:00pm - 4:30pm	ASY 2322	Lab

ARTT361 **Design Literacy: Decoding Our Visual Culture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT355 and ARTT356. Credit only granted for: ARTT361 or ARTT489L. Formerly: ARTT489L.

Holistic presentation of design history and theory from pre-history to present. Covers primarily visual communication design and includes the interrelationship of interior-, furniture-, industrial-, fashion-design, and architecture.

0101	Rex Weil	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	ASY 2322	

ARTT370 **Elements of Digital Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department.

Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art.

Students must pay a $40.00 studio lab fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Individual contractual agreement with faculty/mentor. Individualized assistantship in the teaching of a specified department course offering. Must have previously received an "A" grade for the class to be assisting.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Individual contractual agreement with faculty/mentor. Individualized experiential learning developed in relation to art-related research issues.

Contact department for information to register for this course.

ARTT418B **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Prerequisite: ARTT150, ARTT200 and ARTT210; plus one 300-level studio course; or permission of Department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Leslie Berns MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
0301	Emily Conover TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab

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ARTT418H **Advanced Drawing Studio; Honors Advanced Drawing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Restricted to departmental honors students only. Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; and permission of department. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2314	 Lab
0301	Emily Conover MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 2314	 Lab

ARTT428 **Advanced Painting Studio; Advanced Painting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT320 or permission of department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3312	 Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 3312	 Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3318	 Lab

ARTT428H **Advanced Painting Studio; Honors Advanced Painting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Restricted to departmental honors students only. Prerequisite: ARTT320 and permission of department. Students must pay a $40.00 studio lab fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 3316	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3318	Lab

ARTT428X **Advanced Painting Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Contact department for information to register for this course.

ARTT438A **Advanced Sculpture Studio; Advanced Metal Casting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

0101	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 4) ASY 1310	Lab

ARTT438B **Advanced Sculpture Studio; Steel and Mixed Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

0101	Jennifer Watson TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT333 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1311	 Lab

ARTT438H **Advanced Sculpture Studio; Honors Advanced Sculpture**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Restricted to departmental honors students only. Prerequisite: 300-level sculpture course and permission of department. Students must pay a $40.00 lab fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1311	 Lab
0201	John Ruppert MW 9:30am - 12:00pm	Seats (Total: 2) ASY 1314	 Lab

ARTT438O **Advanced Sculpture Studio; Making Place: Public Art and Design**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisites: A 300-Level Sculpture Course or permission of instructor.This advanced level studio course is an open forum hands-on approach to site oriented and installation sculpture. Through a variety of materials, techniques, and conceptual strategies students will address the meaning of place. Participants will devlelop an understanding of the implications of physical/material/psychological space through analysis, and/or transformation of existing sites informed by both an understandingof place and context. The professor will enhance the studio experience with seminar discussions that showcase select examples and critical theories employed by Artists and Architects around the issues of site, intervention and public space. Students must pay a $40.00 lab fee.

0101	John Ruppert	Seats (Total: 9)	
	MW 9:30am - 12:00pm	ASY 1314	Lab

ARTT448A **Advanced Printmaking Studio; Advanced Intaglio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT340 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Advanced Lithography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT344 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448E **Advanced Printmaking Studio; Advanced Screen Printing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT343 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 12) ASY 1317	Lab

ARTT448F **Advanced Printmaking Studio; Mixed Media Printmaking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: One 300-level printmaking course or permission of department. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Shannon Collis MW 4:00pm - 6:30pm	Seats (Total: 14) ASY 1317	Lab

ARTT448H **Advanced Printmaking Studio; Honors Advanced Printmaking**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Restricted to departmental honors students only. Prerequisite: 300-level printmaking course and permission of department. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 3:00pm - 5:30pm *Advanced Screen Printing.*	Seats (Total: 2) ASY 1317	Lab
0301	Shannon Collis MW 4:00pm - 6:30pm	Seats (Total: 2) ASY 1317	Lab
0501	Margo Humphrey MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Darkroom Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced photographic processes and theory. Emphasis on contemporary ar issues and individual directions.

Prerequisite: ARTT353 or permission of department. Students must pay a $40.00 studio lab fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab
0201	Sora Devore	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	MMH 0110	Lab
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT455 **Three Dimensional Graphic Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT355, ARTT356, and ARTT357. Recommended: ARTT333. Credit only granted for: ARTT352 or ARTT455. Formerly: ARTT352.

Continued exploration of advanced graphic design practices with primary emphasis on 3-D object and packaging design. Includes research, course reading discussion, oral presentations, and specific project assignments which will require a proficient level of hand-skills (craft) and computer skills.

Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2322	Lab

ARTT458 **Graphic Design Portfolio; Advanced Graphic Design**

(Perm req)

Credits: 3 Grading Method: Regular

Creation of a comprehensive professional portfolio. Curriculum includes portfolio preparation and presentation, contracts, copyright issues, interviewing skills, resume and cover-letter writing, design briefs and proposals, and freelance business issues. Portfolio presentation includes basics of book arts.

Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

0101	Instructor: TBA	Seats (Total: 20)	
	TuTh 5:00pm - 7:30pm	ASY 2322	Lab

ARTT479A **Advanced Digital Media Studio; Code and Form**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 studio lab fee. Advanced level course in Digital Media emphasizing contemporary practices and theories in the area of Digital Fabrication. 3-D modeling, 3-D printing and related digital fabrication techniques are covered.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 studio lab fee. The primary focus of this course is an introduction to video production. Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT479H **Advanced Digital Media Studio; Code and Form**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 studio lab fee. Exploration of the ways in digital processes can be used in the creation of physical objects, and the practical and conceptual implications that arise from the translation of the virtual to the physical. Topics such as procedural 3-D modeling, 3-D printing and other digital fabrication techniques will be covered.

0101	Brandon Morse	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	

ARTT481 **Advanced Specialization Seminar**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Permission of ARHU-Art department.

Seminar combines contemporary art theory, criticism, professional practice and career preparation in relation to students works from all areas of specialization.

0101	Steven Jones	Seats (Total: 10)
	F 10:00am - 12:30pm	ASY 1311

ARTT489G **Advanced Special Topics in Art; Art, Politics and Government**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an advanced studio level within the context of a special topic.

Prerequisites: ARTT150 or permission of the department.

0101	Rex Weil	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	ARC 1127

ARTT489P **Advanced Special Topics in Art; Experimental Film and Video**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an advanced studio level within the context of a special topic.

Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in drawing for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate painting for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in sculpture for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638A **Sculpture; Making Place: Public Art and Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in sculpture for advanced special students.

Prerequisites: A 300-Level Sculpture Course or permission of instructor.This advanced level studio course is an open forum hands-on approach to site oriented and installation sculpture. Through a variety of materials, techniques, and conceptual strategies students will address the meaning of place. Participants will develop an understanding of the implications of physical/material/psychological space through analysis, and/or transformation of existing sites informedby both an understading of place and context. The professor will enhance the studio experience withseminar discussions that showcase select examples and critical theories employed by Artists and Architects around the issues of site, intervention and public space. Students must pay a $60.00 lab fee.

1301	John Ruppert	Seats (Total: 4)
	MW 9:30am - 12:00pm	ASY 1314

ARTT648 **Printmaking; Printmaking**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in printmaking for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Independent studies in drawing for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Independent studies in painting for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in sculpture for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in printmaking for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Examines various aspects of art, art theory and criticism in a contemporary and multi-cultural context. Relates student work to this context.

Students must pay a $60.00 studio lab fee.

0101	Rex Weil	Seats (Total: 18)
	Th 6:30pm - 9:00pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ASTR Astronomy Spring 2015

ASTR100 **Introduction to Astronomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS

Credit only granted for: ASTR100, ASTR101, or ASTR120.

An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.

Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

0101	Lee Mundy TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Lee Mundy TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0103	Lee Mundy TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0104	Lee Mundy TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0105	Lee Mundy TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2428	 Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2428	 Discussion

ASTR101 **General Astronomy**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Credit only granted for: ASTR100, ASTR101, or ASTR120.

Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.

Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

0101	Instructor: TBA TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Instructor: TBA TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 10:00am - 10:50am	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR121 **Introductory Astrophysics II - Stars and Beyond**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: ASTR120 and MATH115; or permission of CMNS-Astronomy department.

For students majoring in astronomy or with a strong interest in science Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

0101	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm F 1:00pm - 1:50pm	CSS 2428 CSS 1220 CSS 2428	 Lab Discussion
0102	Derek Richardson	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 11:00am - 1:00pm F 1:00pm - 1:50pm	CSS 2428 CSS 1220 CSS 2428	 Lab Discussion

ASTR230 **The Science and Fiction of Planetary Systems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113.

Have you ever wondered if humans will ever terraform Mars or Europa so we could live there without a spacesuit? Has it ever crossed your mind how lucky you are that you live on a water-rich planet with an oxygen-rich atmosphere? Have you ever suspected novelists and scriptwriters of creating ridiculous planets that violate scientific laws? Does the fate of our planet's thin biosphere keep you up at night? How common is life in the Universe? These are difficult questions, but armed with the right information, you can answer all of them. The Science and Fiction of Planetary Systems will help you develop a deeper understanding of why planets are the way they are. Along the way, you'll see examples of mistakes made in classic science fiction movies, novels and short stories and get the chance to invent your own plausible planets!

0101	Alan Peel TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Alan Peel TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0103	Alan Peel TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail

Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.

A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288M **Special Projects in Astronomy; Current Events in Astronomy Research**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.

Prerequisite: permission of department.

0101	Stuart Vogel M 4:00pm - 4:50pm	Seats (Total: 10) PSC 1204	

ASTR305 **Astronomy and the Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS, SCIS

Although science plays a central role in modern life, the media can present scientific discoveries and thought as too complex and arcane for intelligent laypeople to understand. This has the effect of excluding non-scientists from this important intellectual discourse and sometimes of even manipulating their views. This course uses astronomy (and other science) news stories to give students the tools and motivation to critically evaluate scientific news for themselves, enabling them to use the media to keep abreast of science throughout their lives.

0101	Andrew Harris TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Andrew Harris TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR315 **Astronomy in Practice**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL, DSSP

Restriction: Must not be in Astronomy program. Additional information: Appropriate for non-science majors.

Students learn astronomy research techniques and contribute significantly to the existing body of astronomical knowledge. Students apply methods and tools such as celestial coordinates, telescopes and CCD cameras, and appropriate analysis software to a specific observational goal. Students produce a work detailing their scientific result which will be submitted for publication in a professional venue. Each semester, the course focuses on a specific astronomical topic or type of object, such as asteroids, extrasolar planets, supernovae in other galaxies, quasars, etc.

0101	Melissa Hayes-Gehrke TuTh 12:30pm - 1:45pm W 1:00pm - 3:00pm	Seats (Total: 24) CSS 2428 CSS 1220	 Lab

0102	Melissa Hayes-Gehrke	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	CSS 2428	
	F 12:00pm - 2:00pm	CSS 1220	Lab

ASTR320 **Theoretical Astrophysics**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: ASTR121; and (PHYS270 and PHYS271; or PHYS273). Or permission of CMNS-Astronomy department.

Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

0101	Massimo Ricotti	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	CSS 0201	
	W 2:00pm - 2:50pm	CSS 0201	Discussion

ASTR330 **Solar System Astronomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS

Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR330 or GEOL212.

Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Timothy Livengood	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CSS 2428	

ASTR340 **Origin of the Universe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS

Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.

Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	RIchard Mushotzky	Seats (Total: 60)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

Credits: 3 Grading Method: Regular, Audit General Education: DSNS

Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Leo Deming	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	CSS 2400

ASTR399 **Honors Seminar**

(Perm req)

Credits: 1-16 Grading Method: Regular, Pass-Fail, Audit

Credit according to work done.

Contact department for information to register for this course.

ASTR422 **Cosmology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.

Introduction to modern cosmology. Topics include large scale structure of universe, the intergalactic medium, the nature of dark matter cosmological models and galaxy formation.

0101	Michael Boylan-Kolchin	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSS 2416

ASTR450 **Orbital Dynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.

Vectorial mechanics, motion in a central force field, gravitational and non-gravitational forces, the two-body and three-body problems, orbital elements and orbital perturbation theory, resonances in the solar system, chaos. Intended for students majoring in any of the physical sciences.

0101	Douglas Hamilton	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSS 2416

ASTR498 **Special Problems in Astronomy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

ASTR498P **Special Problems in Astronomy; Particle Astrophysics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Prerequisite: PHYS401.Pre- or Corequisite: PHYS401, PHYS411 or permission of instructor. Also offered as PHYS499P. Credit granted for ASTR498P or PHYS499P. Particle Astrophysics is an emerging field using particle physics techniques to study high-energy phenomena in the Universe. In this course we will give an overview of the field with emphasis on current experiments. The topics will include cosmic rays, neutrino oscillations, neutrino astronomy, gamma-ray astronomy, gamma-ray bursts, dark matter, and dark energy. The course will be taught by scientists working on many of the major experiments in the field including IceCube, HAWC, Fermi, and VERITAS.

0101	Instructor: TBA	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	CSS 1113

ASTR670 **Interstellar Medium and Gas Dynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ASTR601; or permission of CMNS-Astronomy department.

Content of phases of the interstellar medium: physical processes in the ISM: ionization equilibrium, heating and cooling, interstellar dust; gas dynamics: fluid motions, instabilities, shock waves; magnetohydrodynamics.

0101	Alberto Bolatto	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR680 **High Energy Astrophysics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of CMNS-Astronomy department. Formerly: ASTR688M.

The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined.

0101	Suvi Gezari	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR699 **Special Problems in Advanced Astronomy**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

BCHM Biochemistry Spring 2015

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course. Registration in course sections which begin with "SES" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie , e-mail oes@umd.edu, or call 301-405-7762.*

BCHM461 Biochemistry I

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.

First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 131) CHM 1407
0102	Douglas Julin TuTh 12:30pm - 1:45pm	Seats (Total: 130) CHM 1402

BCHM462 Biochemistry II

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.

A continuation of BCHM 461. Metabolic pathways and metabolic regulation energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 2:00pm - 3:15pm	Seats (Total: 132) CHM 1402

BCHM463 Biochemistry of Physiology

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.

A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 130) CHM 1402
0201	Catherine Fenselau TuTh 2:00pm - 3:20pm	Seats (Total: 130) PHY 1410
SES1	Erik Lontok M 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 45) MCB 1207

BCHM464 **Biochemistry Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.

Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure.

Students must pay a $40.00 lab materials fee.

0101	Instructor: TBA Tu 12:30pm - 1:20pm Th 12:30pm - 5:20pm	Seats (Total: 22) KEB 1200 CHM 1119	 Lab
0102	Instructor: TBA Tu 12:30pm - 1:20pm W 1:00pm - 6:00pm	Seats (Total: 22) KEB 1200 CHM 1119	 Lab

BCHM465 **Biochemistry III**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462.

CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Douglas Julin	Seats (Total: 80)
	MWF 12:00pm - 12:50pm	CHM 1402

BCHM485 **Physical Biochemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM481. Restriction: Must be in Biochemistry program; or permission of instructor. Credit only granted for: CHEM482 or BCHM485.

Physical Chemistry with applications to biological systems. Principal topics: quantum chemistry, spectroscopy, structural methods for biological macromolecules, statistical thermodynamics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

0101	David Fushman	Seats (Total: 55)
	TuTh 9:30am - 10:45am	CHM 2201

BCHM669C **Special Topics in Biochemistry; Protein Folding and Disease**

Credits: 2 Grading Method: Regular, Audit

0101	John Orban	Seats (Total: 20)
	Meets January 27, 2015 - March 12, 2015	
	TuTh 2:00pm - 3:45pm	PLS 5112

BCHM669D **Special Topics in Biochemistry; Drug Discovery**

Credits: 2 Grading Method: Regular, Audit

0101	Osnat Herzberg	Seats (Total: 25)
	Meets March 24, 2015 - May 12, 2015	
	TuTh 2:00pm - 3:45pm	PLS 5112

BCHM675 **Biophysical Chemistry**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHEM481 and BCHM461; or students who have taken courses with comparable content may contact the department.

Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

0101	Theodore Dayie	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHM 1224

BCHM698 Literature Seminar in Biochemistry

Credits: 2 Grading Method: Regular

Students will prepare and present a departmental seminar based on a topic in the current biochemical research literature.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM699 Special Problems in Biochemistry

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. option.

Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 Master's Thesis Research

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

BCHM889A Seminar; Biochemistry

Credits: 1 Grading Method: Regular, Audit

0101	Jason Kahn	Seats (Total: 35)
	Tu 11:00am - 11:50am	Location: TBA

BCHM889B **Seminar**

Credits: 1-3 Grading Method: Regular, Audit

Formerly: BCHM889H.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology of Recombination**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889F **Seminar; Bacterial Spores**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889G **Seminar; Biological Mass Spectrometry**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

BIOE Bioengineering Spring 2015

BIOE120 **Biology for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Ganesh Sriram TuTh 2:00pm - 3:15pm Tu 5:00pm - 5:50pm	Seats (Total: 40) CHE 2110 PLS 1119	 Discussion
0102	Ganesh Sriram TuTh 2:00pm - 3:15pm Th 5:00pm - 5:50pm	Seats (Total: 40) CHE 2110 PLS 1119	 Discussion
0201	Angela Jones MW 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 40) CSS 2324 CHE 2136	 Discussion
0202	Angela Jones MW 2:00pm - 3:15pm F 4:00pm - 4:50pm	Seats (Total: 40) CSS 2324 CHE 2136	 Discussion

BIOE121 **Biology for Engineers Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Engineering: Bioengineering program.

This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Angela Jones M 10:00am - 10:50am Tu 10:00am - 12:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0102	Angela Jones M 10:00am - 10:50am Tu 3:00pm - 5:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0103	Angela Jones M 10:00am - 10:50am Th 10:00am - 12:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0104	Angela Jones M 10:00am - 10:50am Th 3:00pm - 5:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab

BIOE232 **Bioengineering Thermodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320.

A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Silvina Matysiak TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 30) EGR 1108 EGR 3106	 Discussion
0102	Silvina Matysiak TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 30) EGR 1108 EGR 0135	 Discussion

BIOE241 **Biocomputational Methods**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 35) KEB 2111	
0201	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 35) KEB 2111	
0301	Hubert Montas MWF 3:00pm - 3:50pm	Seats (Total: 35) KEB 2111	

BIOE331 **Biofluids**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and (ENES232 or BIOE232). Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENME331. Credit only granted for: BIOE331, ENCE305, or ENME331.

Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Keith Herold MW 12:30pm - 1:45pm F 1:00pm - 2:50pm	Seats (Total: 30) MCB 1207 PLS 1119	 Discussion
0102	Keith Herold MW 12:30pm - 1:45pm F 3:00pm - 4:50pm	Seats (Total: 30) MCB 1207 KEB 1200	 Discussion

BIOE332 **Transport Process Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE331 or ENME331; and permission of ENGR-Fischell Department of Bioengineering department.

Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

0101	Jose Aranda-Espinoza TuTh 9:30am - 10:45am Tu 2:00pm - 2:50pm	Seats (Total: 45) CHM 1402 SPH 1302	 Discussion
0102	Jose Aranda-Espinoza TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 45) CHM 1402 PHY 0405	 Discussion

BIOE340 **Modeling Physiological Systems and Lab**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE340 or (BSCI440 and BSCI441).

Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	Steven Jay MW 11:00am - 12:15pm Tu 5:00pm - 6:15pm W 5:00pm - 5:50pm	Seats (Total: 40) ITV 1111 KEB 2111 EGR 1104	 Lab Discussion

BIOE371 **Bioengineering Math and Statistics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH246.

This class will cover mathematics essentials that are required for bioengineering, specifically: statistics, linear algebra, differential equations, and feedback systems in biology. The course will emphasize fundamentals and numerical implementation (e.g. using Matlab). Example will be taken from bioengineering applications.

0101	Benjamin Shapiro	Seats (Total: 120)	
	MW 4:00pm - 4:50pm F 1:00pm - 2:50pm	CHE 2110 CSS 2324	Lab

BIOE399 **Independent Study in Bioengineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study.

Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE404 **Biomechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246, ENES220, BIOE120, ENES102, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.

Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Kimberly Stroka	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 1109

BIOE420 **Bioimaging**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.

Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 45) CSS 2324 CHE 2118	 Discussion
0102	Yu Chen TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 45) CSS 2324 CHE 2118	 Discussion

BIOE431 **Fundamentals of Biosensor Techniques, Instrumentation, and Applications**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135, PHYS161, PHYS261, and BSCI330. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 25) CHM 1228

BIOE453 **Biomaterials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM231, MATH246, CHEM232, BIOE120, BIOE121, and BIOE241. Corequisite: BIOE454. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA425. Credit only granted for: ENBE453, BIOE453, or ENMA425. Formerly: ENBE453.

Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

0101	Peter Kofinas TuTh 11:00am - 12:15pm	Seats (Total: 57) CHE 2110

0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 60) ARM 0117	

BIOE457 **Biomedical Electronics & Instrumentation**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BIOE120, BIOE121, BIOE241, and PHYS261. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Students learn fundamental concepts of electronics, assembly of electronic components into functional circuits, and integration of functional electronic devices and circuits into a system. In the lab component, students will learn to assemble and evaluate circuits and systems.

0101	Ian White MW 2:00pm - 3:15pm F 9:00am - 10:30am	Seats (Total: 30) PLS 1140 ANS 0505	 Lab
0102	Ian White MW 2:00pm - 3:15pm F 11:00am - 12:30pm	Seats (Total: 30) PLS 1140 ANS 0505	 Lab

BIOE486 **Capstone Design II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: Must have completed BIOE485 in the immediately preceding semester. Restriction: Senior standing; and must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE486 or ENBE486. Formerly: ENBE486.

This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE489G **Special Topics in Bioengineering; Synthetic Biology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Exploring a variety of topics with Bioengineering.

0101	Edward Eisenstein	Seats (Total: 30)
	Th 5:00pm - 7:45pm	JMP 1202

BIOE606 **Laboratory Rotations II**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)).

Provide students with the opportunity to experience different laborator environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

0101	John Fisher	Seats (Total: 20)
	F 1:00pm - 1:50pm	EGR 1110

BIOE608 **Bioengineering Seminar Series**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

A variety of topics related to Bioengineering will be presented in weekly seminars.

Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)).

0101	Benjamin Shapiro	Seats (Total: 40)
	F 9:00am - 9:50am	KEB 1105

BIOE611 **Advanced Tissue Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340.

A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	John Fisher	Seats (Total: 20)
	W 2:00pm - 4:30pm	EGR 2154

BIOE612 **Physiological Evaluation of Bioengineering Designs**

Credits: 3 Grading Method: Regular, Audit

Bioengineering designs of biomaterials, biomedical devices, imaging and drug delivery agents, tissue engineering, prosthesis (among others), offer the opportunity to improve health care. This course is aimed at providing knowledge to lead bioengineering designs on the basis of biocompatibility and to provide tools to assess their patho-physiological impact in biological systems.

For BIOE majors only.

BI01	Martha Wang	Seats (Total: 8)
	Class time/details on ELMs	ONLINE
	This section is restricted to Professional Master of Engineering or Gra uate Certificate of Engineering students.	

BIOE631 **Biosensor Techniques, Instrumentation, and Applications**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE631, BIOE689Z, or CHPH718Z. Formerly: BIOE689Z.

A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White	Seats (Total: 20)
	MW 11:00am - 12:15pm	CHM 1228
BI01	Ian White	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	This section is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.	

BIOE640 **Polymer Physics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENMA471; or permission of instructor. Also offered as: ENMA620. Credit only granted for: ENMA620 or BIOE640.

Graduate course covering theoretical aspects of the behavior of polymeric materials. It covers statistical properties and thermodynamics of single chain and multichain systems.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)
	MW 5:00pm - 6:15pm	CHE 2136

BIOE653 **Advanced Biomaterials**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA625. Credit only granted for: ENMA625 or BIOE653.

Examine the relationship between structure and function of biomaterials. Study physical properties of synthetic and natural biomaterials. Understand molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, and scaffold materials for tissue engineering will be covered.

0101	Peter Kofinas	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	CHE 2110

BIOE689 **Special Topics in Bioengineering**

Credits: 1-3 Grading Method: Regular

Research Oriented Individual Instruction course.

Contact department for information to register for this course.

BIOE689N **Special Topics in Bioengineering; Bionanotechnology**

Credits: 3 Grading Method: Regular

Research Oriented Individual Instruction course.

Also offered as ENCH648N.

0101	Srinivasa Raghavan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2110

BIOE689Q **Special Topics in Bioengineering; Introduction to Clinical Trials for Bioengineers**

Credits: 3 Grading Method: Regular

Research Oriented Individual Instruction course.

0101	Keith Herold Th 7:00pm - 9:40pm	Seats (Total: 35) JMP 2222
BI01	Keith Herold Class time/details on ELMs	Seats (Total: 20) ONLINE

BIOE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL Biology Spring 2015

BIOL600 **Ethics in Scientific Research**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must have completed at least one year of graduate study. Credit only granted for: BIOL600 or ZOOL600. Formerly: ZOOL600.

Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

Also offered as CHEM648E, NACS600, and PSYC788B.

0101	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208

BIOL608A **Biology Seminar; Invertebrate Diversity, Evolution & Ecology**

Credits: 2 Grading Method: Regular

0101	Alexandra Bely	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608B **Biology Seminar; Seminar in Behavior Ecology**

(Perm req)

Credits: 1 Grading Method: Regular

0101	Gerald Borgia	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608M **Biology Seminar; Mathematical Statistics Via Resampling in R**

Credits: 1 Grading Method: Regular

0101	Justin Calabrese	Seats (Total: 10)
	Contact instructor or department for details.	
	Class will meet in BPS 1232.	

BIOL608O **Biology Seminar; Coexistence in Ecological Communities**

Credits: 2 Grading Method: Regular

0101	Nathan Kraft	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608Q **Biology Seminar; Readings in Neurophysiology**

(Perm req)

Credits: 1 Grading Method: Regular

0101	Elizabeth Quinlan	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608W **Biology Seminar; Genomic Conflict**

Credits: 1-2 Grading Method: Regular

0101	Gerald Wilkinson	Seats (Total: 12)
	Contact instructor or department for details.	

BIOL609 **Special Problems in Biology**

Credits: 1-6 Grading Method: Regular

One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.

Contact department for information to register for this course.

BIOL708A **Advanced Topics in Biology; Cell Biology**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

0101	Stephen Wolniak	Seats (Total: 8)
	TuTh 8:00am - 9:15am	PLS 1140

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

Also offered as NACS728N.

0101	Quentin Gaudry	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	MCB 1207

BIOL708I **Advanced Topics in Biology; Biology of Sex**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

0101	Eric Haag	Seats (Total: 10)
	TuTh 9:30am - 10:45am	BPS 1234

BIOL708M **Advanced Topics in Biology; Mammalian Physiology**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

0101	Sergei Sukharev	Seats (Total: 2)
	MWF 9:00am - 9:50am	BPS 1250

BIOL708R **Advanced Topics in Biology; Concepts in Plant & Animal Ecology**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

0101	Karen Lips, Michele Dudash	Seats (Total: 10)	
	MW 9:30am - 10:45am	BPS 0283	
	W 12:00pm - 12:50pm	BPS 2249	Discussion

BIOL708Z **Advanced Topics in Biology; Translational Neuroscience**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in variou zoological subjects.

0101	Patrick Kanold	Seats (Total: 10)
	MW 10:30am - 11:45am	BPS 2249

BIOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOM Biometrics Spring 2015

BIOM301 **Introduction to Biometrics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Instructor: TBA TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0102	Instructor: TBA TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0104	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0105	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
SG91	Christine Hakenkamp M 9:30am - 10:45am W 1:00pm - 2:20pm	Seats (Total: 40) BLD3 3206 BLD1 206	Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BIOM602 **Biostatistics II**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: BIOM601 or BIOM405.

The principles of experimental design and analysis of variance and covariance.

0101	Bahram Momen TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 23) ANS 0422 ANS 0473	 Lab
0102	Bahram Momen TuTh 2:00pm - 3:15pm Th 3:30pm - 5:30pm	Seats (Total: 23) ANS 0422 ANS 0473	 Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest in various areas of biometrics. Credit assigned will depend on lecture and/or laboratory time scheduled and organization of the course.

Contact department for information to register for this course.

BIOM688E **Topics in Biometrics; Computational and Statistical Genomics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest in various areas of biometrics. Credit assigned will depend on lecture and/or laboratory time scheduled and organization of the course.

0101	Jiuzhou Song MW 4:00pm - 5:15pm	Seats (Total: 20) ANS 0402

BIOM698 **Special Problems in Biometrics**

Credits: 1-3 Grading Method: Regular, Audit

Individual study of a particular topic in biostatistics or biomathematics.

Contact department for information to register for this course.

BIPH Biophysics Spring 2015

BIPH698L **Biophysics Seminar; Biophysics**

Credits: 1 Grading Method: Regular, Audit

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

BIPH699 **Research in Biophysics**

Credits: 2 Grading Method: Regular

Supervised research in biophysics laboratories. Rotations through several laboratories prior to a choice of laboratory for a research assistantship.

Contact department for information to register for this course.

BIPH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

1101	Joonil Seog	Seats (Total: 1)
	Contact instructor or department for details.	

BIPH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BMGT Business and Management Spring 2015

BMGT110 **Introduction to the Business Value Chain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

0101	Jeff Miller	Seats (Total: 250)
	TuTh 12:30pm - 1:45pm	VMH 1524
0201	Jeff Miller	Seats (Total: 250)
	MW 12:30pm - 1:45pm	VMH 1212

BMGT110S **Introduction to the Business Value Chain**

Credits: 3 Grading Method: Regular CORE: IE

Restricted to College Park Scholars in Business, Society, and the Economy.

0101	Jeff Miller TuTh 3:30pm - 4:45pm	Seats (Total: 40) CCC 1111	
0201	Jeff Miller TuTh 2:00pm - 3:15pm	Seats (Total: 40) CCC 1111	

BMGT190H **Introduction to Design and Quality**

Credits: 4 Grading Method: Regular General Education: DSSP

Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as: ENES190. Credit only granted for: BMGT190 or ENES190.

Exposes engineering and business students to the principles of total quality, using experiential team-learning and technology-aided approaches. The first of four courses in total quality.

Restricted to QUEST program students. Also offered as ENES190H.

0101	Pamela Armstrong TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 45) VMH 1415 VMH 1330	 Discussion

BMGT220 **Principles of Accounting I**

Credits: 3 Grading Method: Regular

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Progyan Basu MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0102	Progyan Basu MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion

0103	Progyan Basu MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0104	Progyan Basu MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0105	Progyan Basu MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0106	Progyan Basu MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0201	Progyan Basu MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion
0202	Progyan Basu MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion
0203	Progyan Basu MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion
0204	Progyan Basu MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion
0205	Progyan Basu MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion
0206	Progyan Basu MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1206	 Discussion

BMGT221 Principles of Accounting II

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Gary Bulmash TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0102	Gary Bulmash TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0103	Gary Bulmash TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0104	Gary Bulmash TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0105	Gary Bulmash TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0106	Gary Bulmash TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0201	Gary Bulmash TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0202	Gary Bulmash TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion

0203	Gary Bulmash TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0204	Gary Bulmash TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0205	Gary Bulmash TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0206	Gary Bulmash TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0301	Gary Bulmash TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion
0302	Gary Bulmash TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion
0303	Gary Bulmash TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion
0304	Gary Bulmash TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion
0305	Gary Bulmash TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion
0306	Gary Bulmash TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1336	 Discussion

BMGT221H Principles of Accounting II

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

Restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Lei Zhou TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1206	
0201	Lei Zhou TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1206	

BMGT230 Business Statistics

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Radu Lazar MW 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1415	 Discussion
0102	Radu Lazar MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) VMH 1524 VMH 1415	 Discussion
0103	Radu Lazar MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) VMH 1524 VMH 1415	 Discussion

0104	Radu Lazar MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) VMH 1524 VMH 1415	Discussion
0105	Radu Lazar MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1415	Discussion
0106	Radu Lazar MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 30) VMH 1524 VMH 1415	Discussion
0107	Radu Lazar MW 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 VMH 1415	Discussion
0201	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1314	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 31) VMH 1524 VMH 1314	Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 VMH 1314	Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 20) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) VMH 1524 VMH 1314	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 19) VMH 1524 VMH 1314	Discussion

0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 VMH 1314	Discussion
0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) VMH 1524 VMH 1418	Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) VMH 1524 VMH 1418	Discussion

BMGT230B **Business Statistics**

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

Restricted to BMGT majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0103	Radu Lazar MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 11) VMH 1524 VMH 1415	 Discussion
0105	Radu Lazar MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1415	 Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 1) VMH 1524 VMH 1314	 Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 12) VMH 1524 VMH 1314	 Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 VMH 1314	 Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1418	 Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1418	 Discussion

BMGT289A **Social Enterprise: Changing the World through Innovation and Transformative Action**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSSP, SCIS

0101	Halley Aelion W 5:00pm - 7:40pm	Seats (Total: 60) TYD 2109

BMGT289B **How Do Innovators Think?**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Credit will be granted for only one of the following: BMGT289B or HONR289P. Evening guest speakers 6:30pm-9:15pm are on specific dates. Daytime meetings will be held every week.

0101	Mark Wellman W 9:00am - 10:50am W 6:30pm - 9:15pm	Seats (Total: 60) CCC 1205 VMH 1212
0201	Mark Wellman W 11:00am - 12:50pm W 6:30pm - 9:15pm	Seats (Total: 60) CCC 1205 VMH 1212

BMGT289D **Frauds, Scams, and Thefts: What, How and Why?**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

0101	Ariel Ramirez MW 5:00pm - 6:15pm	Seats (Total: 65) ASY 2309

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSSP, SCIS

0101	Jonathan Aberman MW 3:30pm - 4:45pm	Seats (Total: 60) TYD 2109

BMGT289F **Is America Destined to Fall by 2076?**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

0101	James Spina F 1:00pm - 3:30pm	Seats (Total: 65) VMH 1330

BMGT289K **Giving Voice To Values**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

0101	Brian Nelson TuTh 3:30pm - 4:45pm	Seats (Total: 65) JMZ 0220

BMGT289L **The Proper Role of Government in a Free Enterprise System**

Credits: 3 Grading Method: Regular CORE: SB General Education: DSHS, SCIS

0101	Leland Gardner TuTh 8:00am - 9:15am	Seats (Total: 65) VMH 1330

BMGT301 **Introduction to Information Systems**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.

Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

Students must pay a $44.00 course fee.

0101	Zeinab Karake TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412
0201	Instructor: TBA TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412

0301	Zeinab Karake TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412
0401	Zeinab Karake MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412
0501	Zeinab Karake MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412
0601	Jorge Mejia MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 62) VMH 1412
SG91	Dongwon Lee TuTh 9:30am - 10:45am *Restricted to Junior BMGT-Shady Grove students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 3202
SG92	Donald Riley TuTh 11:00am - 12:15pm *Restricted to Junior BMGT-Shady Grove students majoring in Accounting and IB. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 3202
SG93	Donald Riley TuTh 12:30pm - 1:45pm *Restricted to Junior BMGT-Shady Grove students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 3202

BMGT302 Designing Business Applications

Credits: 3 Grading Method: Regular

Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.

A structured approach to business application development and programming is provided. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included.

Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Woei-Jyh Lee TuTh 9:30am - 10:45am Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab
0201	Woei-Jyh Lee MW 9:30am - 10:45am Th 6:00pm - 6:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab
0301	Woei-Jyh Lee TuTh 11:00am - 12:15pm Th 7:00pm - 7:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab
0401	Woei-Jyh Lee TuTh 12:30pm - 1:45pm Th 8:00pm - 8:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab

BMGT310 Intermediate Accounting I

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

Restricted to Accounting and Finance majors with 53 credit hours completed.

0101	Samuel Handwerger TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1415	
0201	Wenfeng Wang TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1335	
0301	Samuel Handwerger TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1330	
0401	Mary Keim TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1335	

BMGT311 **Intermediate Accounting II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT310.

Continuation of BMGT310.

0101	Oliver Kim MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0201	Oliver Kim MW 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0301	Stephen Brown TuTh 9:30am - 10:45am *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1202
0401	Stephen Brown TuTh 11:00am - 12:15pm *Restricted to Accounting Majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1336
SG91	Michael Finch MW 9:30am - 10:45am *Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 2052
SG92	Michael Finch MW 11:00am - 12:15pm *Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 2052

BMGT313 **Financial Statement Analysis**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

Restricted to Finance or Accounting majors with 53 credit hours completed.

0101	Hanna Lee MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1307
0201	Hanna Lee MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1307

BMGT321 **Managerial Accounting**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

Restricted to BMGT majors with 53 credit hours completed.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 44) VMH 1335
0201	Shijun Cheng MW 11:00am - 12:15pm	Seats (Total: 44) VMH 1335
0301	Shijun Cheng MW 12:30pm - 1:45pm	Seats (Total: 44) VMH 1335

BMGT323 **Taxation of Individuals**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

0101	Leslie Mostow MW 9:30am - 10:45am *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1335
0201	Jeffrey Milton TuTh 12:30pm - 1:45pm *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1206
0301	Instructor: TBA MW 5:00pm - 6:15pm *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1307
SG91	Alexander Ruygrok MW 9:30am - 10:45am *Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 3052
SG92	Alexander Ruygrok MW 11:00am - 12:15pm *Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 3052

BMGT326 Accounting Systems

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221; and (BMGT201 or BMGT301).

A study of accounting systems and computer and communications technology.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1303
0201	Instructor: TBA TuTh 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1202

0301	Jodell Johnson MW 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1418
SG91	Jodell Johnson MW 9:30am - 10:45am *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4216
SG92	Jodell Johnson MW 11:00am - 12:15pm *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4216

BMGT332 **Operations Research For Management Decisions**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department.

Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management.

Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Stuart Price TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1418
0201	Kazim Ruhi TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1418

BMGT340 **Business Finance**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221; and (BMGT231 or BMGT230).

Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

Restricted to BMGT majors with 53 credit hours completed. Interested students who don't meet restrictions should review their eligiblity for BMGT340N. Meets in a blended format. Approximately half of the scheduled face-to-face course meetings will be replaced by asynchronous online activities, including video lectures, quizzes, and graded assignments.

BL01	Michael Padhi MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 50) VMH 1330 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Michael Padhi MW 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1330 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Karen Hallows TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL04	Michael Padhi MW 5:00pm - 6:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1412 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL05	Karen Hallows TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL06	Karen Hallows TuTh 5:00pm - 6:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1303 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

BL07	Karen Hallows	Seats (Total: 60)
	TuTh 3:30pm - 4:45pm	VMH 1303
	Class time/details on ELMs	ONLINE

Blended Learning courses combine face-to-face and online interactions.

BMGT340N **Business Finance**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221; and (BMGT231 or BMGT230).

Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

Restricted to Agricultural and Resource Economics majors (0111C) with 53 credit hours completed.

BL01	Instructor: TBA	Seats (Total: 10)
	MW 2:00pm - 3:15pm	VMH 1330

Blended Learning courses combine face-to-face and online interactions.

BMGT341 **Financial Markets**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Formerly: BMGT498G.

Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets.

Restricted to Finance majors with 60 credits completed.

0101	Julie Pavlovsky	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	VMH 1415

BMGT341F **Financial Markets**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Formerly: BMGT498G.

Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets.

FP01	Julie Pavlovsky TuTh 2:00pm - 3:15pm *Restricted to Wall Street Fellows.*	Seats (Total: 35) VMH 1415

BMGT343 **Investments**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies.

Restricted to Finance majors with 60 credit hours completed.

0101	Xiaohui Bakshi TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1303
0201	Xiaohui Bakshi TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336
0301	Michael Padhi MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1333
0401	Michael Lee MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0501	Michael Padhi MW 8:00am - 9:15am	Seats (Total: 40) VMH 1333

BMGT349F **Private Equity and Venture Capital; Private Equity and Venture Capital**

(Perm req)

Credits: 3 Grading Method: Regular

The New Markets Private Equity/Venture Capital Clinic allows students to gain professional experience commensurate with that of an Associate in a Venture Capital Firm. Students are trained to buy, own, actively manage and sell high growth technology companies in private transactions. The class format includes: lectures; presentations from guest speakers, including the regions leading CEOs, private equity and service providers; and a series of facilitated exercises that simulate buying, owning and selling businesses. The course exposes students to real life activities covering the entire deal process from market research, diligence, selection, negotiation valuing, and structuring an investment, as well as management, growth and exit of portfolio companies.

Restricted to students in the Private Equity and Venture Capital Clinic (FPPE) fellows program.

FP01	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) VMH 2505

BMGT350 Marketing Principles and Organization

Credits: 3 Grading Method: Regular

Prerequisite: ECON200 or ECON205.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

0101	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330
0201	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0301	Roxanne Lefkoff MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412
0401	Roxanne Lefkoff MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1212

0601	Henry Boyd TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1212
0701	Henry Boyd TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1212

BMGT350N **Marketing Principles and Organization**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200 or ECON205.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

Restricted to Agricultural and Resource Economics (0111C) and Horticulture (0107C) majors with 53 credit hours completed.

0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 10) VMH 1212

BMGT352 **Customer-Centric Innovation**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350.

Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch.

Restricted to BMGT majors or students in the QUEST program with 60 credit hours completed.

0101	Yogesh Joshi TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1411

BMGT353 **Retail Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220 and BMGT350.

Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market.

Restricted to BMGT majors with 60 credit hours completed.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1202	

BMGT360 **Strategic Management of Human Capital**

Credits: 3 Grading Method: Regular

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety.

Restricted to students with 53 credit hours completed.

0101	James Spina MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0102	James Spina MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0103	James Spina MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0104	James Spina MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion

BMGT362 **Labor Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A study of the development and methods of organized groups in industry with reference to the settlement of labor disputes. An economic and legal analysis of labor union and employer association activities, arbitration, mediation and conciliation collective bargaining, trade agreements, strikes, boycotts, lockouts, company unions, employee representation and injunctions.

Contact department for information to register for this course.

BMGT363 **Leadership and Teamwork in Organizations**

Credits: 3 Grading Method: Regular

Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

0101	Gosia Langa	Seats (Total: 45)	
	MW 5:00pm - 6:15pm	VMH 1303	
	Restricted to Management (0503G) majors with 53 credit hours completed.		
SG91	Gosia Langa	Seats (Total: 60)	
	MW 11:00am - 12:15pm	BLD3 2230	
	Restricted to Senior BMGT-Shady Grove students majoring in Management and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT363F **Leadership and Teamwork in Organizations**

(Perm req)

Credits: 3 Grading Method: Regular

Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

SG91	Myeong-Gu Seo	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	BLD3 3240	
	Th 3:30pm - 4:30pm	BLD3 3240	Lab

BMGT364 **Managing People and Organizations**

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

Restricted to BMGT majors with 53 credit hours completed. This course r equires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of approximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0101	Lori Spina MW 9:30am - 10:45am	Seats (Total: 60) VMH 1303
0201	Lori Spina MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1303
0301	Nicole Coomber TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1333
0401	Patricia Cleveland MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1303
0501	Patricia Cleveland MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1303
0601	Nicole Coomber TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1212
0701	Nicole Coomber TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1212

BMGT364H **Managing People and Organizations**

(Perm req)

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

Restricted to BMGT Honors students with 53 credit hours completed.

0101	Patricia Cleveland MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1303

BMGT364N **Managing People and Organizations**

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

Restricted to Agricultural and Resource Economics (0111C) and Dietetics (1307D) majors with 53 credit hours completed. This course requires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of appoximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0301	Nicole Coomber TuTh 3:30pm - 4:45pm	Seats (Total: 20) VMH 1333

BMGT365 Entrepreneurial Finance and Private Equity

Credits: 3 Grading Method: Regular

Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher.

Studies venture capital and private equity using a combination of cases lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest.

0101	Andrew Sherman M 7:00pm - 9:40pm *Restricted to students with 72 credit hours completed.*	Seats (Total: 40) VMH 1330
SG91	Instructor: TBA Tu 6:15pm - 8:55pm *Restricted to Junior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 4206

BMGT367 Career Search Strategies in Business

Credits: 1 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

Restricted to BMGT students with 45 credit hours completed.

0101	Instructor: TBA M 5:00pm - 5:50pm	Seats (Total: 75) VMH 1528
0201	Instructor: TBA Tu 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212
0301	Instructor: TBA W 5:00pm - 5:50pm	Seats (Total: 75) VMH 1528
0401	Instructor: TBA Th 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212
0501	Instructor: TBA M 5:00pm - 5:50pm	Seats (Total: 75) VMH 1330
0601	Instructor: TBA M 6:00pm - 6:50pm	Seats (Total: 75) VMH 1330

BMGT367F **Career Search Strategies in Business**

Credits: 1 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

Restricted to Smith School Freshman Fellows (FPFF).

FP01	Instructor: TBA M 5:00pm - 5:50pm	Seats (Total: 40) VMH 1415
FP02	Instructor: TBA M 6:00pm - 6:50pm	Seats (Total: 40) VMH 1415

FP03	Instructor: TBA Tu 5:00pm - 5:50pm	Seats (Total: 40) VMH 1412
FP04	Instructor: TBA Tu 6:00pm - 6:50pm	Seats (Total: 40) VMH 1412
FP05	Instructor: TBA W 5:00pm - 5:50pm	Seats (Total: 40) VMH 1415
FP06	Instructor: TBA W 5:00pm - 5:50pm	Seats (Total: 40) VMH 1330
FP07	Instructor: TBA W 6:00pm - 6:50pm	Seats (Total: 40) VMH 1330
FP08	Instructor: TBA Th 5:00pm - 5:50pm	Seats (Total: 40) VMH 1412
FP09	Instructor: TBA Th 6:00pm - 6:50pm	Seats (Total: 40) VMH 1412
FP10	Instructor: TBA Th 5:00pm - 5:50pm	Seats (Total: 40) VMH 1415
FP11	Instructor: TBA Th 6:00pm - 6:50pm	Seats (Total: 40) VMH 1415

BMGT370 **Introduction to Transportation**

Credits: 3 Grading Method: Regular

An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy.

Restricted to BMGT students with 53 credit hours completed.

0101	Geoffrey Milsom MW 8:00am - 9:15am	Seats (Total: 45) VMH 1418

0201	Geoffrey Milsom MW 9:30am - 10:45am	Seats (Total: 45) VMH 1418

BMGT372 **Introduction to Logistics and Supply Chain Management**

Credits: 3 Grading Method: Regular

Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

0101	Stephanie Eckerd TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1206
0201	Stephanie Eckerd TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1303
0301	Jeff Miller MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1212
0401	Jeff Miller MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
0501	Jeff Miller MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
SG91	Richard Hutchins MW 9:30am - 10:45am *Restricted to Junior BMGT-Shady Grove students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 3219

SG92	Richard Hutchins MW 11:00am - 12:15pm	Seats (Total: 50) BLD3 3219
	Restricted to Junior BMGT-Shady Grove students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT380 **Business Law I**

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.

0101	Burt Leete MW 9:30am - 10:45am	Seats (Total: 60) VMH 1333
0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 50) VMH 1333
0301	Richard Daniels MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
0401	William McClenahan TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	Justin Reyna TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412
0601	Brian Nelson TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1330

BMGT380H **Business Law I**

(Perm req)

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

Restricted to BMGT Honors students with 53 credit hours completed.

0101	William McClenahan	Seats (Total: 35)
	MW 3:30pm - 4:45pm	VMH 1518
	Restricted to BMGT majors with 53 credit hours completed.	

BMGT380N **Business Law I**

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

Restricted to Agricultural and Resource Economics (0111C) majors with 53 credit hours completed.

0201	Burt Leete	Seats (Total: 10)
	MW 11:00am - 12:15pm	VMH 1333

BMGT381 **Business Law II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT380; or permission of BMGT-Robert H. Smith School of Business.

The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates.

Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan	Seats (Total: 60)
	MW 2:00pm - 3:15pm	VMH 1333

BMGT385 **Operations Management**

Credits: 3 Grading Method: Regular

Credit only granted for: BMGT385 or ENME426.

Studies the design, management and improvement of a firm's processes an systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm.

Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Kazim Ruhi	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	VMH 1303

BMGT390H **Systems Thinking for Managerial Decision Making**

Credits: 3 Grading Method: Regular

Prerequisite: ENES190 or BMGT190; and must be a QUEST student. Also offered as: ENES390. Credit only granted for: BMGT390, ENES390, or ENES498X.

An introduction to the theory, concepts, tools, and practices of system thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking.

Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez	Seats (Total: 45)
	MW 11:00am - 12:15pm	VMH 1415

BMGT392 **Introduction to International Business Management**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200.

A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

0101	Yanan Wang	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	VMH 1202
	Restricted to BMGT majors with 53 credit hours completed.	
SG91	Krishna Challa	Seats (Total: 50)
	MW 9:30am - 10:45am	BLD3 4211
	Restricted to Junior BMGT-Shady Grove students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove	
SG92	Krishna Challa	Seats (Total: 50)
	MW 11:00am - 12:15pm	BLD3 4211
	Restricted to Junior BMGT-Shady Grove students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove	

BMGT397 **Mentoring Design and Quality Teams**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: ENES397. Credit only granted for: BMGT397, ENES397, or BMGT398D. Formerly: BMGT398D.

Practice essential skills for leading and coaching multidisciplinary teams. These include effective communications, facilitation, conflict resolution, and the ability to motivate. Students will practice these skills as mentors for student teams from BMGT/ENES 190H. In the process, they will strengthen their knowledge of design and quality techniques.

0101	Pamela Armstrong W 6:00pm - 8:50pm	Seats (Total: 10) VMH 1415

BMGT398 **Individual Study in Business and Management**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Restricted to Smith School of Business students. Interested students should contact Erin Fields Saddler (esaddler@rhsmith.umd.edu) for details and permission.

0101	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 30)
SG91	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 15)

BMGT398E **Individual Study in Business and Management; Maryland Social Entrepreneur Corps I**

Credits: 2 Grading Method: Regular

Also offered as AMST399Z. Credit granted for BMGT398E or AMST399Z. Restricted to students participating in the Maryland Social Entrepreneur Corps program. Participating students will be automatically enrolled in the course by Education Abroad. For more information about the program, please contact Jennifer Precht in Education Abroad (jprecht@umd.edu).

0101	Sara Herald	Seats (Total: 30)	
	Meets March 23, 2015 - May 8, 2015		
	W 5:00pm - 8:35pm	VMH 1314	

BMGT398T **Individual Study in Business and Management; The External Transfer Student in Smith**

(Perm req)

Credits: 1 Grading Method: Regular

Restricted to incoming Spring 2015 Smith School External Transfer students only.

0101	Evan Riddle	Seats (Total: 30)	
	Meets January 27, 2015 - March 24, 2015		
	Tu 5:00pm - 6:30pm	VMH 1336	

BMGT402 **Database Systems**

Credits: 3 Grading Method: Regular

Recommended: BMGT302.

The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization.

Restricted to BMGT majors and Business Analytics minors with 72 credit hours completed.

0101	Tianshu Sun	Seats (Total: 35)	
	TuTh 3:30pm - 4:45pm	VMH 1311	
	Th 5:00pm - 5:50pm	VMH 1311	Lab
0201	Yang Pan	Seats (Total: 35)	
	MW 12:30pm - 1:45pm	VMH 1311	
	Tu 5:00pm - 5:50pm	VMH 1311	Lab

BMGT402F **Database Systems**

Credits: 3 Grading Method: Regular

Recommended: BMGT302.

The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization.

Restricted to students in the Technology and Business Transformation Fel lows (FPTT).

FP01	Louiqa Raschid	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	VMH 1311	
	Th 6:00pm - 6:50pm	VMH 1311	Lab

BMGT403 Systems Analysis and Design

Credits: 3 Grading Method: Regular

Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302.

Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system.

Restricted to BMGT majors with 72 credit hours completed.

0101	Zeinab Karake	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 2203
0201	Philip Piety	Seats (Total: 35)
	Tu 7:00pm - 9:40pm	VMH 2203

BMGT404 Developing Applications for Decision Analytics

Credits: 3 Grading Method: Regular

Recommended: BMGT302.

Focuses on developing skills relevant to the design and development of interactive business analytics applications. Students will learn to use Excel and Visual Basic for Applications (VBA) to develop applications for business production planning, resource allocation, budgeting, finance, and marketing, among others.

Restricted to BMGT majors and Business Analytics minors with 72 credit hours completed.

0101	Woei-Jyh Lee	Seats (Total: 30)
	MW 2:00pm - 3:15pm	VMH 1311

BMGT407 Information Systems Projects

Credits: 3 Grading Method: Regular

Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing.

Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems.

Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311
0201	Hassan Ibrahim MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 1311
0301	Hassan Ibrahim TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1311

BMGT408D **Emerging Topics in Information Systems; Google Challenge and Analytics**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics covering emerging developments in the field of decision and information technologies.

Prerequisite: BMGT301. Restricted to BMGT majors with 72 credit hours completed.

0101	Sivakumar Viswanathan, Sunil Mithas TuTh 11:00am - 12:15pm	Seats (Total: 20) VMH 2203

BMGT410 **Government Accounting**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels.

Restricted to Accounting majors with 60 credit hours completed.

0101	Gary Bulmash TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1418

BMGT411 **Ethics and Professionalism in Accounting**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT311. Restriction: Must be in Accounting program.

Analysis and discussion of issues relating to ethics and professionalism in accounting.

0101	Jim Staihar MW 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1415
0201	Jim Staihar MW 3:30pm - 4:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1415
0301	Jim Staihar MW 12:30pm - 1:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1415
0401	Stephen Loeb TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 40) VMH 1307
SG91	Instructor: TBA MW 9:30am - 10:45am *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220
SG92	Instructor: TBA MW 11:00am - 12:15pm *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 4220

BMGT417 **Taxation of Corporations, Partnerships and Estates**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.

0101	Eugene Cantor W 7:00pm - 9:40pm *Restricted to Accounting majors with 84 credit hours completed.*	Seats (Total: 30) VMH 1307
0201	Eugene Cantor M 7:00pm - 9:40pm *Restricted to Accounting majors with 84 credit hours completed.*	Seats (Total: 30) VMH 1307
SG91	Samuel Handwerger MW 12:30pm - 1:45pm *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 3219
SG92	Samuel Handwerger MW 2:00pm - 3:15pm *Restricted to Senior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD3 3219

BMGT422 **Auditing Theory and Practice**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT310; and must have completed or be concurrently enrolled in BMGT311.

A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

Restricted to Accounting majors.

0101	Mary Keim TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1336
0201	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335

0301	James McKinney TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335
0401	Mary Keim TuTh 8:00am - 9:15am	Seats (Total: 40) VMH 1336

BMGT423 **Fraud Examination**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT310.

Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed.

Restricted to Accounting majors with 60 hours credit hours completed.

0101	Sandra Rose TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1418
0201	Sandra Rose TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1418
0301	Sandra Rose Tu 7:00pm - 9:40pm	Seats (Total: 45) VMH 1412

BMGT424 **Advanced Accounting**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT311.

Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting.

Restricted to Accounting majors.

0101	Samuel Handwerger TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1330

BMGT430 **Linear Statistical Models in Business**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.

Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model.

Restricted to BMGT majors with 84 credit hours completed, those in the Quantitative Finance Fellows Program, and Business Analytics minors.

0101	Francis Alt	Seats (Total: 40)
	TuTh 9:30am - 10:45am	VMH 1307

BMGT431 **Data Analytics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT430.

An introduction to the tools and techniques that are central to the analysis of abundant data that is being collected in many forms including web traffic, social network data, and reviews and comments on websites.

Restricted to Business Analytics minors.

0101	Instructor: TBA	Seats (Total: 43)
	MW 5:00pm - 6:15pm	VMH 1335

BMGT431F **Data Analytics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT430.

An introduction to the tools and techniques that are central to the analysis of abundant data that is being collected in many forms including web traffic, social network data, and reviews and comments on websites.

Restricted to Business Analytics Fellows.

FP01	Instructor: TBA	Seats (Total: 24)
	MW 3:30pm - 4:45pm	VMH 1335

BMGT434 **Introduction to Optimization**

Credits: 3 Grading Method: Regular

Prerequisite: MATH220 or MATH140; or students who have taken courses with comparable content may contact the department. Recommended: MATH221; or MATH141. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models.

Restricted to Business majors, QUEST Program students, and Business Analytic minors.

0101	Rui Zhang	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1518

BMGT435 Business Process Simulation

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory.

Restricted to BMGT majors and Business Analytics minors with 60 credit hours completed.

0101	Kazim Ruhi	Seats (Total: 38)
	TuTh 9:30am - 10:45am	VMH 1412

BMGT438G Special Topics in Operations Management; Design and Innovation in Silicon Valley

Credits: 3 Grading Method: Regular

Selected advanced topics in operations management.

Prerequisite: BMGT190H or ENES190H. Restricted to QUEST Program students. Also offered as ENES489Q. Credit granted for BMGT438G or ENES489Q. Travel to Silicon Valley during Spring Break required of all class participants.

0101	Jeffrey Herrmann, Kylie King	Seats (Total: 15)
	Th 7:00pm - 8:15pm Contact instructor or department for details.	VMH 1415

BMGT440 **Advanced Financial Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized.

Restricted to BMGT majors with 68 credit hours completed.

0101	Instructor: TBA TuTh 5:00pm - 6:15pm	Seats (Total: 45) VMH 1411
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1415
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1333
0401	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1411

BMGT440F **Advanced Financial Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized.

Restricted to students in the Smith School's Emerging CFO's Fellows program.

FP01	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314

BMGT442F **Advanced Portfolio Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT343; and must have completed or be concurrently enrolled in BMGT430 or ECON422. Credit only granted for: BMGT442 or BMGT448C. Formerly: BMGT448C.

An in-depth coverage of statistical methods for choosing stocks is provided. Financial markets data is used in the class. Students are also expected to learn and use Matlab during the class to implement the concepts of the class.

Restricted to Quantitative Finance Fellows (FPQF).

FP01	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1330

BMGT443 Applied Equity Analysis and Portfolio Management

Credits: 3 Grading Method: Regular

Prerequisite: BMGT343.

Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock.

Restricted to BMGT majors with 84 credit hours completed.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 43) VMH 3505
0201	Instructor: TBA MW 12:30pm - 1:45pm	Seats (Total: 43) VMH 3505
0301	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 43) VMH 3505
0401	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 43) VMH 3505

BMGT444 Futures and Options Contracts

Credits: 3 Grading Method: Regular

Prerequisite: BMGT343. Credit only granted for: BMGT444 and MATH424.

The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options.

Restricted to Finance majors with 84 credit hours completed.

0101	Dilip Madan M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT445 Banking and Financial Institutions

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.

Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered.

Restricted to Finance majors with 84 credit hours completed.

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 45) VMH 1336
0201	Instructor: TBA MW 12:30pm - 1:45pm	Seats (Total: 47) VMH 1336
0301	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 47) VMH 1336

BMGT445F Banking and Financial Institutions

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.

Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered.

Restricted to students in the Financial Services Fellows program.

FP01	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1336

BMGT446 International Finance

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101	Peter Dixon MW 12:30pm - 1:45pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1411
0201	Xiaoyuan Hu MW 2:00pm - 3:15pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 2505
0301	Wen Chen TuTh 2:00pm - 3:15pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1336
0401	Wen Chen TuTh 3:30pm - 4:45pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1336
SG91	Michael Lee TuTh 11:00am - 12:15pm *Restricted to Senior BMGT-Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4220
SG92	Michael Lee TuTh 12:30pm - 1:45pm *Restricted to Senior BMGT-Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4220

BMGT448E **Special Topics in Finance; Computational Finance**

Credits: 3 Grading Method: Regular

Selected advanced topics in finance.

Prereq: BMGT 343. Restricted to Finance majors with 72 credit hours completed and Junior Wall Street Fellows.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1336

BMGT448F **Special Topics in Finance; Wall Street Finance**

(Perm req) Credits: 3 Grading Method: Regular

Selected advanced topics in finance.

Restricted to Junior Wall Street Fellows.

FP01	Julie Pavlovsky	Seats (Total: 35)
	TuTh 9:30am - 10:45am	VMH 1333

BMGT448G **Special Topics in Finance; Quantitative Financial Analysis**

Credits: 3 Grading Method: Regular

Selected advanced topics in finance.

Restricted to students in the Smith School's Quantitative Finance Fellows program.

FP01	Charles LaHaie	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	VHM 3505

BMGT448J **Special Topics in Finance; Investment Banking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in finance.

Restricted to Junior Wall Street Fellows.

Contact department for information to register for this course.

BMGT448N **Special Topics in Finance; Doing Business in Nicaragua: Microfinance and Social Value Creation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Selected advanced topics in finance.

Contact department for information to register for this course.

BMGT449F **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

Credits: 3 Grading Method: Regular

The Lemma Senbet Fund is a year-long, advanced finance course available to undergraduate finance majors in their senior year. Ten to twelve students will be selected in the spring of their junior year to participate on the fund, two as portfolio managers and eight to ten as equity analysts. The course provides students with the opportunity to apply what they have learned in finance classes to actual investment decisions, through researching real companies and managing a portfolio of real money.

Restricted to students in the Smith School's Lemma Senbet Fund Fellows program.

FP01	Sarah Kroncke	Seats (Total: 12)
	TuTh 10:30am - 12:20pm	VMH 3330H

BMGT450 Integrated Marketing Communications

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.

In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

0101	Anastasiya Pocheptsova	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	VMH 1411
	Restricted to BMGT majors with 60 credit hours completed.	
SG91	Instructor: TBA	Seats (Total: 45)
	TuTh 9:30am - 10:45am	BLD3 4216
	Restricted to Senior BMGT-Shady Grove and Junior BMGT-Shady Grove students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Instructor: TBA	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	BLD3 4216
	Restricted to Senior BMGT-Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT450F Integrated Marketing Communications

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.

In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

Restricted to students in the Smith School's Sports Management Fellows and Music Management Fellows programs.

FP01	Anastasiya Pocheptsova TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1307

BMGT451 Consumer Analysis

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.

Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

0101	Marjorie Bonavia MW 11:00am - 12:15pm *Restricted to Marketing majors with 68 credit hours completed.*	Seats (Total: 35) VMH 1206
0201	Marjorie Bonavia MW 9:30am - 10:45am *Restricted to Marketing majors with 68 credit hours completed.*	Seats (Total: 35) VMH 1206
0301	Rebecca Ratner W 7:00pm - 9:40pm *Restricted to Marketing majors with 68 credit hours completed.*	Seats (Total: 35) VMH 1303
SG91	Juhi Naithani TuTh 11:00am - 12:15pm *Restricted to Senior BMGT-Shady Grove tudents majoring in International Business and Junior BMGT-Shady Grove students majoring in Marketing. Other students y request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4212

BMGT452 **Marketing Research Methods**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350 and BMGT230.

Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results.

Restricted to Marketing majors with 72 credit hours completed.

0101	Liye Ma MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1307
0201	Liye Ma MW 9:30am - 10:45am	Seats (Total: 32) VMH 1307
0301	Liye Ma MW 11:00am - 12:15pm	Seats (Total: 32) VMH 1307

BMGT454 **Global Marketing**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350.

Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

Restricted to BMGT majors with 72 credit hours completed.

0101	M Fardanesh MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
0201	M Fardanesh MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1418

BMGT455 **Sales Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350.

The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices.

Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.

SG91	Simon Bensimon	Seats (Total: 50)
	MW 12:30pm - 1:45pm	BLD3 4212
	Restricted to Senior BMGT-Shady Grove students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT457 Marketing Policies and Strategies

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: BMGT350.

This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0101	Diane Whitney	Seats (Total: 36)
	TuTh 11:00am - 12:15pm	VMH 1202
	Restricted to Marketing majors with 100 credit hours completed.	
0201	Henry Boyd	Seats (Total: 35)
	MW 2:00pm - 3:15pm	VMH 1518
	Restricted to Marketing majors with 100 credit hours completed.	
0301	Instructor: TBA	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1518
	Restricted to Marketing majors with 100 credit hours completed.	
0401	Instructor: TBA	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	VMH 1314

SG91	Simon Bensimon MW 2:00pm - 3:15pm	Seats (Total: 35) BLD3 4212
	Restricted to Senior BMGT-Shady Grove students majoring in Marketing. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461 **Entrepreneurship**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

Restricted to BMGT majors with 72 credit hours completed. Non-majors sh ould register for BMGT461N.

0101	David Kressler Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1202
0201	David Kressler MW 12:30pm - 1:45pm	Seats (Total: 40) SQH 1119

BMGT461N **Entrepreneurship**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

Restricted to non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT461.

0101	David Kressler Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1202

BMGT463 **Cross-cultural Challenges in Business**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

Restricted to students with 72 credit hours completed.

0101	Gosia Langa MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1411
0201	Gosia Langa MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

BMGT466 Global Business Strategy

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

0101	Mark Wellman Th 5:00pm - 7:40pm *Restricted to International Business and Management majors with 72 credit hours completed.*	Seats (Total: 55) TYD 2106
SG91	Elie Ashery MW 11:00am - 12:15pm *Restricted to Senior BMGT-Shady Grove students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 3225

BMGT468P Special Topics in Management and Organization; Practicum in Global Business

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

FP01	Patricia Cleveland	Seats (Total: 26)
	Tu 5:00pm - 7:40pm	VMH 1418
	Restricted to students in the Smith School's Global Fellows Program.	

BMGT468R **Special Topics in Management and Organization; Fearless Founders: New Venture Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in management and organization.

Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as ENES498R.

0101	Elana Fine	Seats (Total: 25)
	M 5:00pm - 7:30pm	VMH 1418

BMGT468W **Special Topics in Management and Organization; Social Innovation Practicum**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Restricted to Social Innovation Fellows.

FP01	David Kirsch	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	VMH 1307

BMGT468Z **Special Topics in Management and Organization; Create the Future through Systems Thinking and Design**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Restricted to students with 60 credit hours completed. Not open to stude nts in the QUEST Honors program.

0101	Jose Suarez	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SYM 3320

BMGT470 **Carrier Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT370.

The study of the wide range of issues facing managers in transportation This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined.

Restricted to Supply Chain Management majors.

0101	John Paraskevas TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 2203

BMGT472 **Purchasing and Inbound Logistics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT372.

Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement.

Restricted to Supply Chain Management majors.

0101	Isaac Elking MW 9:30am - 10:45am	Seats (Total: 35) VMH 1202

BMGT476 **Technology Applications in Supply Chain Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT372.

An understanding of the role of technology in managing the supply chain Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements.

Restricted to Supply Chain Management and Information Systems majors.

0101	Thomas Corsi MW 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522
0201	Heidi Celebi MW 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0301	Kevin Sweeney TuTh 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522

0401	Kevin Sweeney TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0501	Heidi Celebi MW 11:00am - 12:15pm	Seats (Total: 24) VMH 3522

BMGT477 International Supply Chain Management

Credits: 3 Grading Method: Regular

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

0101	Koki Nagata TuTh 9:30am - 10:45am *Restricted to Supply Chain Management majors and International Business majors.*	Seats (Total: 45) VMH 1335
0201	Koki Nagata TuTh 11:00am - 12:15pm *Restricted to Supply Chain Management majors and International Business majors.*	Seats (Total: 45) VMH 1335
SG91	Koki Nagata MW 12:30pm - 1:45pm *Restricted to Senior BMGT-Shady Grove students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 4211

BMGT478C Special Topics in Supply Chain Management; Supply Chain Risk Management

Credits: 3 Grading Method: Regular

Selected advanced topics in supply chain management.

Restricted to Supply Chain Management majors.

0101	Leland Gardner TuTh 9:30am - 10:45am	Seats (Total: 26) VMH 2505

BMGT484 Electronic Marketing

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media.

Restricted to BMGT majors with 60 credit hours completed.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 3505
0201	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 3505
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 3505
0401	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 3505

BMGT485 Project Management

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance.

Restricted to BMGT majors and QUEST program students with 72 credit hours completed. Students must pay $54.00 Lab fee.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1206
0201	Hassan Ibrahim Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1335

BMGT487 Six Sigma Innovation

Credits: 3 Grading Method: Regular

Prerequisite: STAT400, BMGT231, BMGT230, or ENME392.

Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking.

Restricted to students with 72 credits.

0101	Francis Alt	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	VMH 1307

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in logistics, business and public policy.

Contact department for information to register for this course.

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in logistics, business and public policy.

Contact department for information to register for this course.

BMGT488Y **Special Topics in Logistics, Business, and Public Policy; Corporate and Social Responsibility and Sustainable Business Practices**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in logistics, business and public policy.

Contact department for information to register for this course.

BMGT490H **Quest Consulting and Innovation Practicum**

Credits: 4 Grading Method: Regular General Education: DSSP

Prerequisite: ENES390 or BMGT390. Also offered as: ENES490. Credit only granted for: BMGT490 or ENES490.

Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work.

Restricted to QUEST program students. Also offered as ENES490H.

0101	Jeffrey Herrmann, Kylie King	Seats (Total: 45)
	Tu 5:00pm - 7:40pm	VMH 1415
	Contact instructor or department for details.	

BMGT491 **Defining Consulting and Innovation Projects**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BMGT190 or ENES190. Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: ENES491. Credit only granted for: BMGT491, ENES491 or BMGT438D. Formerly: BMGT438D.

Cultivate relationships with new and current corporate partners and prepare project scopes for QUEST's capstone course, BMGT/ENES 490H. Requires independent work communicating with clients and class visits to a variety of potential project sites.

0101	Kylie King	Seats (Total: 13)
	Tu 10:00am - 10:50am	VMH 1407
	F 10:00am - 11:40am	VMH 1407

BMGT494H **Honors Study**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BMGT493. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in the Smith School Honors Fellows program.

Second semester of the senior year. The student shall continue and complete the research initiated in BMGT 493, additional reports may be required at the discretion of the faculty advisor and Assistant Dean of Undergraduate Studies.

Restricted to BMGT Honors students.

0101	Charles Olson	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT495 **Business Policies**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm *Restricted to majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1206
0201	Instructor: TBA TuTh 9:30am - 10:45am *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
0301	Instructor: TBA Tu 7:00pm - 9:40pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
0401	Instructor: TBA TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1411
0501	Instructor: TBA TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
0601	Instructor: TBA TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
0701	Instructor: TBA TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
0801	Instructor: TBA TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314

0901	Instructor: TBA M 7:00pm - 9:40pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1001	Instructor: TBA MW 9:30am - 10:45am *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1415
1101	Rafael Corredoira MW 11:00am - 12:15pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1201	James Spina MW 12:30pm - 1:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1330
1301	Rafael Corredoira MW 2:00pm - 3:15pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1401	Rafael Corredoira MW 12:30pm - 1:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1501	Instructor: TBA MW 3:30pm - 4:45pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1601	Instructor: TBA MW 11:00am - 12:15pm *Restricted to BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1418
SG91	David Kressler TuTh 9:30am - 10:45am *Restricted to Senior BMGT-Shady Grove cohort. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 2225

SG92	Oliver Schlake TuTh 9:30am - 10:45am	Seats (Total: 35) BLD3 3220
	Restricted to Senior BMGT-Shady Grove cohort. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Oliver Schlake TuTh 11:00am - 12:15pm	Seats (Total: 35) BLD3 3220
	Restricted to Senior BMGT-Shady Grove cohort. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Elie Ashery TuTh 11:00am - 12:15pm	Seats (Total: 35) BLD3 3206
	Restricted to Senior BMGT-Shady Grove cohort. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Oliver Schlake TuTh 12:30pm - 1:45pm	Seats (Total: 35) BLD3 3220
	Restricted to Senior BMGT-Shady Grove cohort. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

Restricted to BMGT Honors students with 100 credit hours completed.

BMGT495H **Business Policies**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.

0101	Paulo Prochno MW 9:30am - 10:45am	Seats (Total: 36) VMH 1518

BMGT496 **Business Ethics and Society**

Credits: 3 Grading Method: Regular

Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.

A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101	Brian Nelson	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	VMH 1411
	Restricted to BMGT majors with 53 credit hours completed.	

BMGT496F **Business Ethics and Society**

Credits: 3 Grading Method: Regular

Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.

A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

Restricted to students in the Business Law Fellows program.

FP01	Brian Nelson	Seats (Total: 35)
	M 7:00pm - 9:40pm	VMH 1415

BMGT498C **Special Topics in Business and Management; The Business of French and Dutch Design and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in business and management designed to meet the changing needs and interests of students and faculty.

Contact department for information to register for this course.

BMGT498L **Special Topics in Business and Management; Innovating the Higher Education Business Model**

(Perm req)

Credits: 3 Grading Method: Regular

Special topics in business and management designed to meet the changing needs and interests of students and faculty.

Innovo Scholars is a new program offering an elite group of students the opportunity to particpate in the innovation of teaching and learning at Smith. In addition to completing normal teaching assistant activities, the Scholars will be responsible for designing and implementing improvements to an existing Smith course or program.

0101	Sandra Loughlin	Seats (Total: 30)
	Th 5:00pm - 6:50pm	VMH 3332
	Contact instructor or department for details.	

BMGT499C **Advanced Business Topics; Executive Seminar in Logistics**

(Perm req)

Credits: 1 Grading Method: Regular

Course will delve deeply into a specific business topic. Based on experience and knowledge from undergraduate core business classes, students will examine a particular subject from various angles.

Restricted to Supply Chain Management Fellows.

FP01	Philip Evers	Seats (Total: 30)
	Meets January 26, 2015 - March 14, 2015	
	Tu 7:00pm - 9:40pm	VMH 1336

BMGT808I **Special Topics in Information Systems; Social and Behavioral IS Research: Individuals, Teams and Communities**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Katherine Stewart	Seats (Total: 12)
	Meets January 26, 2015 - March 13, 2015	
	Th 12:00pm - 3:35pm	VMH 4335

BMGT808J **Special Topics in Information Systems; Institutions, Firms, and Collectives**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Anand Gopal	Seats (Total: 12)
	Meets March 23, 2015 - May 12, 2015	
	Contact instructor or department for details.	

BMGT808R **Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Il-Horn Hann	Seats (Total: 15)
	F 2:00pm - 3:30pm	VMH 1335

BMGT818Y **Special Topics in Accounting and Information Assurance; Seminar in Accounting Research**

Credits: 3 Grading Method: Regular, Audit

Special topics specific to the Accounting and Information Assurance doctoral field of study.

0101	Michael Kimbrough	Seats (Total: 10)
	W 8:30am - 12:00pm	VMH 4535

BMGT828 **Independent Study in Business and Management**

Credits: 1-9 Grading Method: Regular

Contact department for information to register for this course.

BMGT831 **Operations Research: Extension of Linear Programming and Network Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BMGT830; or students who have taken courses with comparable content may contact the department; or permission of BMGT-Robert H. Smith School of Business.

Concepts and applications of network and graph theory in linear and combinatorial models with emphasis on computational algorithms.

0101	Bruce Golden	Seats (Total: 20)
	Tu 7:00pm - 9:40pm	VMH 1411

BMGT834 **Operations Research: Probabilistic Models**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH241; and (STAT400; or students who have taken courses with comparable content may contact the department). Or permission of BMGT-Robert H. Smith School of Business.

Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

0101	Michael Fu	Seats (Total: 22)
	Th 3:30pm - 6:10pm	VMH 3330H

BMGT837 **Applied Multivariate Analysis**

Credits: 3 Grading Method: Regular, Audit

Recommended: BMGT836 or equivalent course. BMGT837 assumes working knowledge of matrices and elementary linear algebra and a sound understanding of univariate statistics, including random variables, statistical inference, ANOVA, and ordinary least squares regression.

Multivariate statistical methods and their use in empirical research. Topics include: summarization and visualization of multivariate data, the multivariate normal distribution, tests on mean vectors, multivariate paired comparisons, multivariate analysis of variance, repeated measures designs, test on covariance matrices, discriminant analysis and classification, canonical correlation, principal components, factor analysis and cluster analysis. Maximum likelihood estimation and the likelihood ratio method of test construction.

0101	Francis Alt	Seats (Total: 12)
	W 8:30am - 11:15am	VMH 3332

BMGT838O **Special Topics in Operations Management/Management Science; Seminar in Operations Management**

Credits: 3 Grading Method: Regular, Audit

Special topics specific to the Operations Management/Management Science doctoral field of study.

0101	Wedad Elmaghraby	Seats (Total: 8)
	Tu 12:00pm - 3:00pm	VMH 2330

BMGT838R **Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Operations Management/Management Science doctoral field of study.

0101	Wedad Elmaghraby	Seats (Total: 15)
	F 2:00pm - 3:30pm	VMH 1335

BMGT843 **Seminar in Portfolio Theory**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of BMGT-Robert H. Smith School of Business.

Seminar in selected classic and current theoretical and empirical research in portfolio theory.

0101	Mark Loewenstein	Seats (Total: 12)
	W 5:00pm - 8:00pm	VMH 3330H

BMGT848B **Special Topics in Finance; Financial Research Methods**

Credits: 1

Grading Method: Regular, Audit

Special topics specific to the Finance doctoral field of study.

0101	Instructor: TBA	Seats (Total: 12)
	W 10:00am - 12:00pm	VMH 4335

BMGT848E **Special Topics in Finance; Financial Econometrics**

Credits: 3

Grading Method: Regular, Audit

Special topics specific to the Finance doctoral field of study.

0101	Gurdip Bakshi	Seats (Total: 12)
	Tu 3:30pm - 6:30pm	VMH 3332

BMGT848F **Special Topics in Finance; Workshop in Finance Research**

Credits: 1

Grading Method: Regular, Audit

Special topics specific to the Finance doctoral field of study.

0101	Liu Yang	Seats (Total: 12)
	F 9:00am - 1:10pm	VMH 1333

BMGT858I **Special Topics in Marketing; Information Processing**

Credits: 2

Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

0101	Instructor: TBA	Seats (Total: 12)
	Meets January 26, 2015 - March 14, 2015	
	W 12:30pm - 4:05pm	VMH 3332

BMGT858J **Special Topics in Marketing; Structural Models**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

0101	Tao Chen	Seats (Total: 12)
	Meets January 26, 2015 - March 14, 2015	
	Th 8:50am - 12:25pm	VMH 3332

BMGT858R **Special Topics in Marketing; Marketing Research Seminar**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

0101	Pallassana Kannan	Seats (Total: 16)
	F 10:00am - 12:30pm	VMH 1335

BMGT868C **Special Topics in Organizational Behavior/Human Resource Management; Career and Professionalization Workshop in Management and Organization**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Instructor: TBA	Seats (Total: 30)
	F 10:00am - 12:00pm	VMH 1330

BMGT868D **Special Topics in Organizational Behavior/Human Resource Management; Decision Making**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

Meets 3/26, 4/2, 4/9, 4/16, 4/23, 4/30, 5/7.

0101	Rellie Rozin **Meets March 26, 2015 - May 7, 2015** Th 12:30pm - 4:05pm	Seats (Total: 12) VMH 4534

BMGT868G **Special Topics in Organizational Behavior/Human Resource Management; Multi-Level Modeling**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Gilad Chen **Meets January 26, 2015 - February 9, 2015** M 9:00am - 1:10pm	Seats (Total: 12) Location: TBA

BMGT868N **Special Topics in Organizational Behavior/Human Resource Management; Network Analysis Workshop**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

Meets 3/23, 3/30, 4/6.

0101	Vijaya Venkataramani **Meets March 23, 2015 - April 6, 2015** M 9:00am - 1:10pm *Meets 3/23, 3/30, 4/6.*	Seats (Total: 12) VMH 4534

BMGT868P **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Management Presentations**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Hui Liao	Seats (Total: 10)
	Contact instructor or department for details.	

BMGT868V **Special Topics in Organizational Behavior/Human Resource Management; Strategic Human Resource Management**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

Meets 1/28, 2/4, 2/11, 2/18, 2/25, 3/4, 3/11.

0101	Hui Liao	Seats (Total: 12)
	Meets January 28, 2015 - March 11, 2015	
	W 10:00am - 1:35pm	VMH 4534

BMGT878C **Special Topics in Strategic Management and Entrepreneurship; Cross Discilpinary Workshop in Strategy and Entrepreneurship**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Cristian Dezso, Waverly Ding	Seats (Total: 13)
	Th 11:00am - 12:30pm	VMH 2505

BMGT878E **Special Topics in Strategic Management and Entrepreneurship; Overview of Strategy and Entrepreneurship**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	David Kirsch, Rajshree Tronetti	Seats (Total: 12)
	Meets January 26, 2015 - March 13, 2015	
	Tu 1:00pm - 4:35pm	VMH 4534

BMGT878I **Special Topics in Strategic Management and Entrepreneurship; Overview of Innovation and Entrepreneurship**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Rajshree Tronetti	Seats (Total: 12)
	Meets March 23, 2015 - May 12, 2015	
	Tu 1:00pm - 4:35pm	VMH 4534

BMGT878P **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Rajshree Tronetti	Seats (Total: 30)
	Th 8:30am - 10:30am	VMH 2509

BMGT888I **Special Topics in Supply Chain Management; Industrial Organization Economics**

Credits: 2 Grading Method: Regular

Special topics specific to the Supply Chain Management doctoral field of study.

0101	Curtis Grimm	Seats (Total: 12)
	Meets January 26, 2015 - March 13, 2015	
	Th 1:00pm - 4:35pm	VMH 4534

BMGT888L **Special Topics in Supply Chain Management; Logistics Research**

Credits: 3 Grading Method: Regular

Special topics specific to the Supply Chain Management doctoral field of study.

0101	Martin Dresner	Seats (Total: 12)
	Tu 9:00am - 11:30am	VMH 3332

BMGT888W **Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

Credits: 1 Grading Method: Regular

Special topics specific to the Supply Chain Management doctoral field of study.

0101	Curtis Grimm	Seats (Total: 10)
	F 1:00pm - 2:30pm	VMH 3332

BMGT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

BSCI Biological Sciences Program Spring 2015

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated. The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building). Registration in course sections which begin with "SES" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762. The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available. The College of Computer, Mathematical, and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.*

BSCI103 **The World of Biology**

Credits: 4 Grading Method: Regular CORE: LL General Education: DSNL

An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences.

(Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

1100	Instructor: TBA TuTh 12:30pm - 1:45pm M 8:00am - 10:50am	Seats (Total: 23) LEF 2205 HJP 3239	 Lab
1101	Tammatha O'Brien, Michael Raupp TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 23) LEF 2205 HJP 3239	 Lab

1103	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 23) LEF 2205 HJP 3239	 Lab
1105	Tammatha O'Brien, Michael Raupp TuTh 12:30pm - 1:45pm M 5:00pm - 7:50pm	Seats (Total: 23) LEF 2205 HJP 3239	 Lab
1107	Instructor: TBA TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) LEF 2205 HJP 3239	 Lab
1108	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) LEF 2205 HJP 3239	 Lab

BSCI103M **The World of Biology**

(Perm req)

Credits: 4 Grading Method: Regular CORE: LL General Education: DSNL

An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences.

(Sponsoring Dept.: BSCI). Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

0101	Michael Raupp TuTh 12:30pm - 1:45pm	Seats (Total: 5) LEF 2205

BSCI105 **Principles of Biology I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

(Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5115	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5117	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5123	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5125	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5131	Patricia Shields MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5141	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5142	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5151	Instructor: TBA MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5155	Instructor: TBA MWF 1:00pm - 1:50pm W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5171	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab

5310	Instructor: TBA MWF 2:00pm - 2:50pm M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5313	Instructor: TBA MWF 2:00pm - 2:50pm M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5361	Instructor: TBA MWF 2:00pm - 2:50pm Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5364	Instructor: TBA MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5370	Instructor: TBA MWF 2:00pm - 2:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5372	Michael Keller MWF 2:00pm - 2:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5426	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5427	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5432	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5433	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab

5444	Kenneth Frauwirth TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	Lab
5445	Kenneth Frauwirth TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1235	Lab
5473	Kenneth Frauwirth TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5510	Norma Allewell MWF 12:00pm - 12:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BPS 1243 HJP 1236	Lab
5516	Instructor: TBA MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BPS 1243 HJP 1236	Lab
5520	Instructor: TBA MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BPS 1243 HJP 1235	Lab
5530	Instructor: TBA MWF 12:00pm - 12:50pm W 6:00pm - 8:50pm	Seats (Total: 23) BPS 1243 HJP 1226	Lab
5621	Michael Keller MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) SKN 0200 HJP 1235	Lab
5634	Michael Keller MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) SKN 0200 HJP 1226	Lab
5636	Instructor: TBA MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) SKN 0200 HJP 1236	Lab

5650	Michael Keller MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) SKN 0200 HJP 1226	Lab
5653	Michael Keller MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) SKN 0200 HJP 1229	Lab
5666	Instructor: TBA MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) SKN 0200 HJP 1236	Lab
SES1	James Sniezek Tu 6:00pm - 8:50pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 23) PLS 1130 HJP 1226	Lab

BSCI105C **Principles of Biology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

For BSCI, BCHM, and CHEM majors only.

5212	Anne Simon MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab
5237	Anne Simon MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1229	Lab
5252	Anne Simon MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	Lab

BSCI105M **Principles of Biology I**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

(Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

5191	Patricia Shields MWF 1:00pm - 1:50pm	Seats (Total: 5) HJP 0226	
5393	Michael Keller MWF 2:00pm - 2:50pm	Seats (Total: 5) HJP 0226	
5494	Kenneth Frauwirth TuTh 9:30am - 10:45am	Seats (Total: 5) HJP 0226	
5696	Michael Keller MWF 9:00am - 9:50am	Seats (Total: 5) SKN 0200	

BSCI105S **Principles of Biology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

(Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5230	Anne Simon MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab

BSCI106 **Principles of Biology II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

(Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

6115	Sara Via MWF 9:00am - 9:50am M 10:00am - 12:50pm	Seats (Total: 23) BPS 1243 HJP 3217	Lab
6135	Sara Via MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BPS 1243 HJP 3217	Lab
6142	Sara Via MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BPS 1243 HJP 3217	Lab
6214	Leo Shapiro MWF 12:00pm - 12:50pm Tu 9:00am - 11:50am	Seats (Total: 23) BPS 1250 HJP 3211	Lab
6224	Leo Shapiro MWF 12:00pm - 12:50pm M 3:00pm - 5:50pm	Seats (Total: 23) BPS 1250 HJP 3211	Lab
6225	Leo Shapiro MWF 12:00pm - 12:50pm M 3:00pm - 5:50pm	Seats (Total: 23) BPS 1250 HJP 3217	Lab
6284	Leo Shapiro MWF 12:00pm - 12:50pm Th 5:00pm - 7:50pm	Seats (Total: 23) BPS 1250 HJP 3211	Lab
6355	Marcia Shofner TuTh 8:00am - 9:15am W 10:00am - 12:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab

6361	Instructor: TBA TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6362	Marcia Shofner TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6374	Marcia Shofner TuTh 8:00am - 9:15am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6441	Marcia Shofner TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6444	Marcia Shofner TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6454	Marcia Shofner TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6464	Marcia Shofner TuTh 12:30pm - 1:45pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6481	Marcia Shofner TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
SES1	Marcia Shofner Tu 6:00pm - 8:50pm Th 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1119 HJP 3217	 Lab

BSCI106M Principles of Biology II

(Perm req) | Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

(Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

Contact department for information to register for this course.

BSCI120 **Insects**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

(Sponsoring Dept.: ENTM)

0101	Dennis vanEngelsdorp TuTh 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0102	Dennis vanEngelsdorp TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion

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BSCI124 **Plant Biology for Non-Science Students**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with BSCI125)

Restriction: For non-science majors only; and must not have completed BSCI105. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125.

A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources.

(Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

1001	Edgar Moctezuma TuTh 11:00am - 12:15pm	Seats (Total: 220) HJP 0226	

BSCI125 **Plant Biology Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: BSCI124. Restriction: For non-science majors only; and must not have completed BSCI105. Credit only granted for: BSCI105 or BSCI125. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125.

An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. CORE Lab Science.

(Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1106	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1108	Edgar Moctezuma Tu 12:30pm - 2:30pm	Seats (Total: 24) HJP 3237	Lab
1110	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab
1114	Edgar Moctezuma W 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1120	Edgar Moctezuma Th 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab

BSCI201 **Human Anatomy and Physiology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: BSCI105; or students who have taken courses with comparable content may contact the department.

Anatomy and physiology of the skeletal, muscular, neural, endocrine, an sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

(Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab

1101	Sara Lombardi TuTh 8:00am - 9:15am M 1:00pm - 3:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1102	Sara Lombardi TuTh 8:00am - 9:15am M 4:00pm - 6:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1103	Sara Lombardi TuTh 8:00am - 9:15am Tu 11:00am - 1:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1104	Sara Lombardi TuTh 8:00am - 9:15am Tu 2:00pm - 4:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1105	Sara Lombardi TuTh 8:00am - 9:15am W 4:00pm - 6:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1106	Sara Lombardi TuTh 8:00am - 9:15am W 7:00pm - 9:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1107	Sara Lombardi TuTh 8:00am - 9:15am Th 11:00am - 1:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
1108	Sara Lombardi TuTh 8:00am - 9:15am Th 2:00pm - 4:50pm	Seats (Total: 24) EGR 1202 BPS 0205	 Lab
SES1	Justicia Opoku-Edusei Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 1250 BPS 0205	 Lab

BSCI202 Human Anatomy and Physiology II

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI201; or permission of CMNS-Biology department.

Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

(Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Tammatha O'Brien TuTh 8:00am - 9:15am M 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0103	Tammatha O'Brien TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0104	Tammatha O'Brien TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 12:30pm - 3:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0107	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 3:30pm - 6:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0108	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 6:30pm - 9:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab

0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0111	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0113	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0114	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0117	Instructor: TBA TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab

BSCI207 **Principles of Biology III - Organismal Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106 and BSCI105; and must have completed or be concurrently enrolled in CHEM131.

The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

(Sponsoring Dept.: BSCI).

0101	Bretton Kent MWF 9:00am - 9:50am	Seats (Total: 90) PLS 1140	

0201	Jeffrey Firestone MWF 11:00am - 11:50am	Seats (Total: 160) BRB 1101	
0301	Leo Shapiro MWF 2:00pm - 2:50pm	Seats (Total: 90) BPS 1243	

BSCI222 **Principles of Genetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry.

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

(Sponsoring Dept.: BSCI).

7106	David Straney MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7108	David Straney MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7110	David Straney MWF 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7112	David Straney MWF 10:00am - 10:50am M 5:00pm - 6:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7114	David Straney MWF 10:00am - 10:50am Tu 8:00am - 9:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7116	David Straney MWF 10:00am - 10:50am Tu 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion

7118	David Straney MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7120	David Straney MWF 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7125	David Straney MWF 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7126	David Straney MWF 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7130	David Straney MWF 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7210	David O'Brochta TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm	Seats (Total: 23) HJP 0226 HJP 3233	 Discussion
7212	David O'Brochta TuTh 12:30pm - 1:45pm W 10:00am - 11:50am	Seats (Total: 23) HJP 0226 HJP 3233	 Discussion
7214	David O'Brochta TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3233	 Discussion
7216	David O'Brochta TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 23) HJP 0226 HJP 3233	 Discussion
7218	David O'Brochta TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm	Seats (Total: 23) HJP 0226 HJP 3233	 Discussion

7220	David O'Brochta TuTh 12:30pm - 1:45pm Th 8:00am - 9:50am	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7222	David O'Brochta TuTh 12:30pm - 1:45pm Th 10:00am - 11:50am	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7224	David O'Brochta TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7232	David O'Brochta TuTh 12:30pm - 1:45pm Th 6:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion

BSCI223 **General Microbiology**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: LL	General Education: DSNL, SCIS

Prerequisite: BSCI105.

Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.

(Sponsoring Dept.: CBMG) Students must pay a $40.00 lab materials fee.

1021	Kevin McIver TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1026	Kevin McIver TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1101	Kevin McIver TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1105	Kevin McIver TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab

1106	Instructor: TBA TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1121	Instructor: TBA TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1126	Kevin McIver TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1201	Kevin McIver TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1206	Instructor: TBA TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1221	Instructor: TBA TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1225	Kevin McIver TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
1226	Kevin McIver TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1301	Kevin McIver TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1306	Kevin McIver TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab

1311	Kevin McIver TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
SES1	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1201	Lab
SES2	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1205	Lab

BSCI258 **College Park Scholars Internship**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by CPS Director. Must be completed by end of sophomore year. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

(Sponsoring Dept.: BSCI).

8005	Reid Compton Contact instructor or department for details.	Seats (Total: 90)

BSCI279 **Supplemental Study; Supplemental Study in Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279C **Supplemental Study; Catalyst Program Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept: BIOL)

0101	Katerina Thompson	Seats (Total: 47)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279H **Supplemental Study; Catalyst Program Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

0101	Katerina Thompson	Seats (Total: 70)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279L **Supplemental Study; Biology I Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Seminar**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

Prerequisite: permission of department.

0101	Francisca Saavedra Contact instructor or department for details.	Seats (Total: 35)
0102	Tammatha O'Brien Contact instructor or department for details.	Seats (Total: 15)
0103	Tammatha O'Brien Contact instructor or department for details.	Seats (Total: 15)
0104	Sara Lombardi Contact instructor or department for details.	Seats (Total: 15)
0105	Sara Lombardi Contact instructor or department for details.	Seats (Total: 15)

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BIOL).

0101	Elizabeth Quinlan, Daniel Butts, Patrick Kanold, Ricardo Araneda Contact instructor or department for details.	Seats (Total: 10)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.

Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts.

(Sponsoring Dept.: CBMG). Students must pay a $40.00 lab materials fee.

1025	Wade Winkler MW 10:00am - 10:50am TuTh 9:00am - 10:50am	Seats (Total: 20) MCB 1207 MCB 1205	 Lab
1125	Wade Winkler MW 10:00am - 10:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) MCB 1207 MCB 1205	 Lab
1205	Wade Winkler MW 10:00am - 10:50am MW 12:00pm - 1:50pm	Seats (Total: 20) MCB 1207 MCB 1205	 Lab

BSCI288 **Internship; Field Experience**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy biology major requirements. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI288H **Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy biology major requirements. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Elective credit for formally established off-campus research internship Permission of Director of Outreach required. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

(Sponsoring Dept.: BSCI). Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). This requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson Contact instructor or department for details.	Seats (Total: 15)

BSCI329 **Instructional Assistance Practicum**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Students serve as instructional assistants in selected undergraduate biology courses. Roles and responsibilities are determined on a course- specific basis and approved by the College Undergraduate Program Committee. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman Contact instructor or department for details.	Seats (Total: 5)
1370	Sergei Sukharev Contact instructor or department for details.	Seats (Total: 5)

BSCI329H **Instructional Assistance Practicum; Honors Instructional Assistance Practicum**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Students serve as instructional assistants in selected undergraduate biology courses. Roles and responsibilities are determined on a course- specific basis and approved by the College Undergraduate Program Committee. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

2080	Todd Cooke Contact instructor or department for details.	Seats (Total: 20)		
2350	Byrn Quimby Contact instructor or department for details.	Seats (Total: 20)		

BSCI330 **Cell Biology and Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.

Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

(Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 lab materials fee.

0101	Richard Payne MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0102	Richard Payne MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0103	Instructor: TBA MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0104	Instructor: TBA MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab

0105	Instructor: TBA MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0106	Richard Payne MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0107	Richard Payne MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0108	Instructor: TBA MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0109	Instructor: TBA MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0110	Richard Payne MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
1101	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1102	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1103	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Tu 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1104	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab

1106	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1107	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
1108	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Th 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	Lab
SES1	Hadiya Woodham, Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 1238 BPS 0213	Lab

BSCI334 **Mammalogy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI207 and BSCI106.

Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and ECEV.

0101	Katerina Thompson TuTh 12:30pm - 1:45pm	Seats (Total: 75) PLS 1140

BSCI335 **Mammalogy Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI106; and must have completed or be concurrently enrolled in BSCI334.

Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior.

(Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Katerina Thompson Tu 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab
0102	Katerina Thompson W 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab

BSCI337 **Biology of Insects**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: BSCI106; or permission of CMNS-Biological Sciences UG Program.

An overview of the biology, evolution and diversity of insects and thei relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required.

(Sponsoring Dept.: ENTM). Specialization Areas: GENB and ECEV. Students must pay a $40.00 laboratory materials fee.

0101	Jian Wang TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 18) PLS 1113 PLS 1161	Lab
0102	Jian Wang TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 18) PLS 1113 PLS 1161	Lab

BSCI338D **Special Topics in Biology; Complexity of Cancer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338F **Special Topics in Biology; iGEM Research Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Permission of the instructor required. This course is open to iGEM team members to develop a synthetic biology research project for the internatial Genentically Engineered Machines competition.

0101	Byrn Quimby	Seats (Total: 25)
	Contact instructor or department for details.	

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338J **Special Topics in Biology; Medical Exploration of HIV/AIDS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338N **Special Topics in Biology; Diseases of Nervous System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring DEPT: BIOL). Prerequisite: BSCI330. (Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

0101	Quentin Gaudry	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	MCB 1207

BSCI338P **Special Topics in Biology; Pathophysiology of Circulatory System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept: BIOL). Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. Prerequisite: BSCI230 or BSCI330; or permission of instructor. Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

0101	Ibrahim Ades TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1172	

BSCI338Q **Special Topics in Biology; Conservation Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept: BIOL).Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity and Conservation Biology. Pre- or corequisite: BSCI363. Students must pay a $40.00 lab materials fee.

0101	Keryn Gedan M 2:00pm - 4:50pm	Seats (Total: 22) HJP 3223	Lab
0103	Keryn Gedan W 2:00pm - 4:50pm	Seats (Total: 22) HJP 3223	Lab

BSCI338Z **Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI339A **Selected Topics in Biology; Biology of Sex**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Prerequisites: BSCI 370 OR BSCI 410. Applicable towards Biological Sciences Specialization Areas: ECEV and GENB. Sponsoring Dept. (BIOL).

0101	Eric Haag TuTh 9:30am - 10:45am	Seats (Total: 15) BPS 1234	

BSCI339C **Selected Topics in Biology; Cell Biology Lab**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. Students must pay a $40.00 lab materials fee. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak Tu 1:00pm - 4:50pm	Seats (Total: 3) PLS 1171	Lab
0102	Stephen Wolniak W 1:00pm - 4:50pm	Seats (Total: 3) Location: TBA	Lab

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BSCI339G **Selected Topics in Biology; Advanced Physiology**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Prerequisite: Permission of department. For students who have completed BSCI 440, Mammalian Physiology and want to explore how organ systems are designed to solve fundamental physiological problems. Diverse examples, from comparative physiology to clinical cases, will be considered to illustrate basic principles of systems physiology. Applicable towards Biological Sciences Specialization areas: PHNB. Sponsoring Dept. BIOL.

0101	Joshua Singer Tu 2:00pm - 3:50pm	Seats (Total: 16) BPS 2249	

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

(Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart mith for application information: alec@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Richard Stewart	Seats (Total: 22)
	F 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Students must be available for one of the BSCI105 lecture periods. Students interested in this teaching/leadership opportunity should contact Dr. Patricia Shields (pshields@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0101	Elanor Spadafora, Patricia Shields Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 20)

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

0101	Najib El-Sayed Contact instructor or department for details.	Seats (Total: 10)

BSCI353 **Principles of Neuroscience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122, PHYS142, or PHYS132.

Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

0101	Patrick Kanold TuTh 11:00am - 12:15pm	Seats (Total: 150) BPS 1250

BSCI360 **Principles of Animal Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222, BSCI106, and BSCI105.

Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Science specialization areas: PHNB, and GENB.

0101	Gerald Borgia MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) PLS 1119 PLS 1168	 Discussion
0102	Gerald Borgia MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) PLS 1119 PLS 1168	 Discussion

BSCI361 **Principles of Ecology**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: BSCI106; and (MATH130 or MATH140).

Basic principles of population, community, and ecosystem ecology. Use o these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.

(Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Daniel Gruner TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 PLS 1162	 Discussion
0102	Daniel Gruner TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 PLS 1162	 Discussion

BSCI363 **The Biology of Conservation and Extinction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106.

Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction.

(Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB. Instructor recommends that students register for both lecture and lab (BSCI 338Q). Registering for the lab is not required.

0101	Keryn Gedan	Seats (Total: 96)
	MWF 11:00am - 11:50am	BPS 1243

BSCI370 **Principles of Evolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106.

Understanding evolutionary processes in a natural and human environment including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Carlos Machado	Seats (Total: 100)
	TuTh 9:30am - 10:45am	PLS 1140

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

Credits: 1 Grading Method: Regular

Required seminar for all students participating in departmental honors research program.

(Sponsoring Dept.: CBMG). Corequisite: BSCI379H. Restricted to students participating in the CBMG Departmental Honors Program.

Click here for more course information.

0101	Zhongchi Liu	Seats (Total: 23)
	F 2:00pm - 2:50pm	BRB 3101

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Student should consult program guidelines. Research project carried out under guidance of faculty advisor.

(Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program.

Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.

(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

(Perm req)

Credits: 1-2 Grading Method: Regular

(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI398H **Biology Department Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Required seminar for all students participating in departmental honors research program.

(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Formerly ZOOL308H.

1000	Marjorie Reaka M 4:00pm - 4:50pm	Seats (Total: 35) BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

(Perm req)

Credits: 1-2 Grading Method: Regular

A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.

(Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232).

An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms.

(Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

0101	Leslie Pick TuTh 9:30am - 10:45am	Seats (Total: 82) MCB 1207

BL01	Stephen Mount Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 90) CHM 1402 ONLINE	
	Blended Learning courses combine face-to-face and online interactions.		

BSCI412 **Microbial Genetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI223 and BSCI222.

A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches.

(Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 lab materials fee.

0101	Vincent Lee TuTh 12:30pm - 1:30pm TuTh 1:30pm - 4:30pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0103	Vincent Lee TuTh 12:30pm - 1:30pm TuTh 1:30pm - 4:30pm	Seats (Total: 18) MCB 1207 MCB 1138	 Lab

BSCI413 **Recombinant DNA**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, BSCI223, or BSCI230; and BSCI222. Formerly: ZOOL452.

An advanced course presenting the tools and procedures of genetic engineering. Theory and practical applications of recombinant DNA techniques to understanding eukaryotic gene structure and expression.

(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI416 **Human Genetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: Minimum grade of C- in BSCI410. Recommended: BSCI330.

Approaches to human genetics and applications to biology and medicine focusing on specific human genetic topics using primary research papers as the main resource.

0101	John Moult, Louisa Wu	Seats (Total: 48)
	MW 3:30pm - 4:45pm	BPS 0283

BSCI417 **Microbial Pathogenesis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS | General Education: DSSP

Prerequisite: BSCI223 and BSCI222. Restriction: Junior standing or higher. Credit only granted for: BSCI348M or BSCI417. Formerly: BSCI348M.

Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

0101	Daniel Stein	Seats (Total: 30)
	TuTh 9:30am - 10:45am	BPS 1238

BSCI420 **Cell Biology Lectures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421.

Molecular and biochemical bases of cellular organization and function in eukaryotes.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak	Seats (Total: 50)
	TuTh 8:00am - 9:15am	PLS 1140

BSCI421 **Cell Biology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421.

Molecular and biochemical basis of cellular organization and function in eukaryotes.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 lab materials fee.

0101	Stephen Wolniak TuTh 8:00am - 9:15am Tu 1:00pm - 4:50pm	Seats (Total: 20) PLS 1140 PLS 1171	 Lab
0102	Stephen Wolniak TuTh 8:00am - 9:15am W 1:00pm - 4:50pm	Seats (Total: 20) PLS 1140 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

Credits: 3 Grading Method: Regular

Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.

The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

(Sponsoring Dept.: CMBG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

0101	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) PLS 1140 BPS 1228	 Discussion
0102	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 PLS 1111	 Discussion
0103	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion
0104	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 PLS 1115	 Discussion

SES1	Sandra Fox-Moon W 6:00pm - 9:00pm	Seats (Total: 30) MCB 1207	
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	Scott Walsh TuTh 11:00am - 12:15pm	Seats (Total: 40) BLD2 3012	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other student to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI423 **Immunology Laboratory**

Credits: 2 Grading Method: Regular

Prerequisite: BSCI223 and BSCI222. Corequisite: BSCI422. Restriction: Junior standing or higher.

Current techniques for assessment of immune status and evaluation of th immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 lab materials fee.

0101	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1143	Lab
0103	Wenxia Song MW 3:00pm - 4:50pm	Seats (Total: 20) MCB 1135	Lab

BSCI424 **Pathogenic Microbiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI223.

The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects.

Contact department for information to register for this course.

BSCI430 **Developmental Biology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222 and BSCI330.

Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, ECEV, and GENB.

0101	William Jeffery TuTh 12:30pm - 1:45pm	Seats (Total: 70) PLS 1130

BSCI433 **Biology of Cancer**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.

Causes and consequences of neoplastic transformations at the biochemica and cellular levels.

(Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Ibrahim Ades TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1250
SG91	Beth Parent MW 9:30am - 10:45am	Seats (Total: 40) BLD3 4206
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

BSCI437 **General Virology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.

Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups.

(Sponsoring Dept.: CBMG). Specialization Areas: MICB, CEBG, and GENB.

0101	Jeffrey DeStefano, Sabrina Kramer MWF 11:00am - 11:50am	Seats (Total: 80) MCB 1207	

BSCI440 **Mammalian Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.

A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441).

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

2201	Sergei Sukharev MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 30) TYD 0130 PLS 1111	Discussion
2202	Sergei Sukharev MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 30) TYD 0130 BPS 1232	Discussion
2203	Sergei Sukharev MWF 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 30) TYD 0130 PLS 1111	Discussion
2204	Sergei Sukharev MWF 9:00am - 9:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) TYD 0130 CHM 0122	Discussion
2205	Sergei Sukharev MWF 9:00am - 9:50am Tu 2:00pm - 3:50pm	Seats (Total: 30) TYD 0130 SPH 0305	Discussion
2206	Sergei Sukharev MWF 9:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 30) TYD 0130 PLS 1113	Discussion

2208	Sergei Sukharev MWF 9:00am - 9:50am W 12:00pm - 1:50pm	Seats (Total: 30) TYD 0130 BPS 1232	Discussion
2209	Sergei Sukharev MWF 9:00am - 9:50am Th 2:00pm - 3:50pm	Seats (Total: 30) TYD 0130 CHM 0122	Discussion
SES1	William Higgins Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 30) PLS 1140 PLS 1140	Discussion
SG91	David Sandstrom MWF 11:00am - 12:15pm *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 45) BLD3 4212	

BSCI441 **Mammalian Physiology Laboratory**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in BSCI440.

Laboratory exercises in experimental mammalian physiology.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 lab materials fee.

0101	Hilary Bierman M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0103	Hilary Bierman M 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab

0104	Hilary Bierman M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0106	Instructor: TBA M 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

BSCI446 **Neural Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI330 and BSCI353.

Neural development, followed by sensory, motor and integrative system organization in the central nervous system.Sponsoring Dept. (BIOL) Specialization Areas: PHNB, GENB.

0101	Ricardo Araneda TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1119

BSCI447 **General Endocrinology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, CHEM241, and CHEM242.

Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates.

(Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

0101	Michael Ma TuTh 11:00am - 12:15pm	Seats (Total: 70) PLS 1140

BSCI454 **Neurobiology Laboratory**

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in BSCI330; and must have completed or be concurrently enrolled in BSCI353; and must have completed or be concurrently enrolled in PHYS122, PHYS132, or PHYS142.

Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle.

(Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

0102	Hilary Bierman Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab
0103	Hilary Bierman W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0257	Lab
SG91	David Sandstrom Tu 2:00pm - 5:00pm *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 20) BLD2 4012	Lab
SG92	David Sandstrom Th 2:00pm - 5:00pm *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 20) BLD2 4012	Lab

BSCI462 **Population Ecology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH130 and BSCI106.

Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics.

0101	Karen Lips, Michele Dudash MW 9:30am - 10:45am	Seats (Total: 30) BPS 0283

BSCI473 **Marine Ecology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI207.

Courses in evolution and animal behavior are strongly recommended. A detailed analysis of the evolutionary ecology of marine invertebrates; emphasis on testing of theories and on current literature.

0101	Marjorie Reaka TuTh 12:30pm - 1:45pm	Seats (Total: 45) HBK 0115

BSCV CIVICUS Spring 2015

BSCV182 **Civicus and Service-Learning**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCV191 and BSCV181; and must have completed or be concurrently enrolled in SOCY105. Restriction: Must be in the Civicus program. Credit only granted for: BSOS182 or BSCV182. Formerly: BSOS182.

Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

0101	Julie Randolph, Sue Briggs M 3:30pm - 5:15pm	Seats (Total: 28) SOM 0101
0201	Julie Randolph, Sue Briggs Tu 3:30pm - 5:15pm	Seats (Total: 26) SOM 0101
0301	Sue Briggs Th 3:30pm - 5:15pm	Seats (Total: 28) SOM 0101

BSCV302 **Civicus Capstone**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCV301. Restriction: Sophomore standing or higher. Credit only granted for: BSOS302 or BSCV302. Formerly: BSOS302.

Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues.

0101	Sue Briggs M 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101

0201	Sue Briggs Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101
0301	Sue Briggs W 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101

BSCV309 **Civicus Seminar**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Review and analysis of contemporary social issues.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 3)
0201	Sue Briggs Contact instructor or department for details.	Seats (Total: 10)

BSGC Global Communities Spring 2015

BSGC102 **Global Issues**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSHS, DVUP

Prerequisite: BSGC101. Restriction: Must be in Global Communities Living-Learning program.

An in-depth exploration of the ways in which globalization affects different issue areas, such as food security, disease, war, and the environment. Contending approaches to resolving problems, and evaluation of different policy options.

0101	Virginia Haufler Tu 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 25) TWS 1100 DOR 0128	 Discussion
0102	Virginia Haufler Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) TWS 1100 DOR 0128	 Discussion
0103	Virginia Haufler Tu 3:30pm - 4:45pm Th 9:30am - 10:45am	Seats (Total: 25) TWS 1100 DOR 0128	 Discussion

BSGC302 **BSGC 302 Capstone: Global Connections**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Global Communities Living-Learning program. By permission only (BPO). Additional information: This course is limited to second-year students in the Global Communities Living-Learning Program who have completed or are in the midst of completing their Global Experience requirement.

Final component of the Global Communities curriculum. The course connects the global experience with previous BSGC coursework.

0101	Virginia Haufler	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

BSGC386 **Experiential Learning in Global Communities: Global Internship**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E.

Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

0101	Natalie Vinski	Seats (Total: 10)
	Contact instructor or department for details.	

BSGC398A **BSGC Experiential Learning in Global Communities: Global Service; Alternative Break/International Service**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning is an integral element of the Global Communities program. Students will gain an understanding of social issues in marginalized communities, engage in service-learning, and develop an action plan for civic engagement in a diverse global society.

Restriction: Must be in Global Communities Living-Learning program. GC students who receive acceptance into select Alternate Breaks or International Service programs can apply for Global Experience credit by enrolling in BSGC 398A. This course will meet periodically throughout the semester and will require directed readings, reflective writings, and projects related to your Alternative Break/International Service experience.

0101	Malaika Serrano	Seats (Total: 30)
	Contact instructor or department for details.	

BSGC399 **Topical Investigations in Global Communities**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Variable from 1-3 credits and repeatable up to 6 if content varies.

Restriction: Must be in Global Communities Living-Learning Program.

0101	Virginia Haufler	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS Behavioral and Social Sciences Spring 2015

BSOS248A **Leadership Seminar I; Leadership Seminar I Ambassadors**

(Perm req)

Credits: 2 Grading Method: Regular

A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS248P **Leadership Seminar I; Peer Mentors**

Credits: 1 Grading Method: Regular

A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS258P **Leadership Practicum I; Leadership Practicum I (Peer Mentors)**

Credits: 1 Grading Method: Regular

This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

Contact department for information to register for this course.

BSOS348A **Leadership Seminar II; Leadership Seminar II Ambassadors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A topics course in the behavioral and social sciences designed to develop student leaders with advanced skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS358A **Leadership Practicum II**

(Perm req)

Credits: 1 Grading Method: Regular

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS358D **Leadership Practicum II; Leadership Practicum II DSAC**

(Perm req)

Credits: 2 Grading Method: Regular

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS358L **Leadership Practicum II; DSAC Officers**

(Perm req)

Credits: 1 Grading Method: Regular

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS358P **Leadership Practicum II; Peer Mentors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

BSOS388B **Behavioral and Social Sciences Special Topics; Innovation and Social Change: Do Good Now**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP, SCIS

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Mandatory meeting on Sunday, February 1, Time TBA. Registered students will receive an email with detailing the meeting time and location. Also offered as HONR348D and PUAF388D. Credit will be granted for BSOS388B, HONR348D or PUAF388D. This is a BSOS Solutions Lab and a Fearless Ideas course offered in collaboration with PUAF388D and HONR348D. Explore the many mechanisms for achieving social impact through social innovation. This is team-based, highly interactive and dynamic course, that provides an opportunity for students to generate solutions to a wide range of problems facing many communities today. This course deepens the students understanding of entrepreneurship and innovation practices by guiding them through the creation and implementation process as applied to a project idea of their choice. These projects serve as the laboratory to implement topics such as design systems thinking, developing and communicating a strategy and goals, project management and implementation skills, teamwork and talent management, fundraising and revenue generation, marketing and partner development, leadership skills and project sustainability. For more information, visit dogood.umd.edu or email bsos-ugdean@umd.edu.

0101	T'Sey-Haye Preaster	Seats (Total: 28)
	Tu 2:00pm - 4:30pm	JMZ 3120

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSOS388P **Behavioral and Social Sciences Special Topics; PULSAR Research Seminar; MD Lang Sci Ctr**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Prerequisite: permission of department. Contact pulsar@umd.edu.

Contact department for information to register for this course.

BSOS388Q **Behavioral and Social Sciences Special Topics; CESAR Directed Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSOS388R **Behavioral and Social Sciences Special Topics; PULSAR Research Practicum; MD Lang Sci Ctr**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Prerequisite: permission of department. Contact pulsar@umd.edu.

Contact department for information to register for this course.

BSOS388T **Behavioral and Social Sciences Special Topics; Sustainability Task Force**

(Perm req)

Credits: 1 Grading Method: Regular

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Must be a member of the BSOS Sustainability Task Force. Contact Amee Bearne at abearne@umd.edu for more information. Repeatable: Up to 3 credits. A student leadership group engaged in the implementation of the BSOS Sustainability Plan. As part of this course, students will explore current topics in sustainability through semester-long projects. This course is part of the BSOS Solutions Lab.

0101	Amee Bearne	Seats (Total: 20)
	W 7:00pm - 7:50pm	TYD 2141

BSOS399 **Directed Study in Behavioral and Social Sciences**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS399G **Directed Study in Behavioral and Social Sciences; Global Scholars Capstone**

(Perm req)

Credits: 1 Grading Method: Regular

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS399P **Directed Study in Behavioral and Social Sciences; Undergraduate Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS399Q **Directed Study in Behavioral and Social Sciences; CESAR**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS448C **Teaching Assistant Practicum; Civicus**

(Perm req)

Credits: 1-3 Grading Method: Regular

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSOS448I **Teaching Assistant Practicum; Internship**

(Perm req)

Credits: 1 Grading Method: Regular

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSOS448T **Teaching Assistant Practicum; Teaching Assistant Practicum (UNIV)**

(Perm req)

Credits: 1 Grading Method: Regular

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSOS678A **Special Topics in Justice Leadership; Criminology and Criminal Justice**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Crime and Criminal Justice in Vietnam. Issues that will be focused on the present situation of crime in Vietnam; causes and conditions of criminal activities; include crime forecasting and crime prevention in Vietnam. Also, provides comprehensive overview on the Criminal Justice System in Vietnam and relations among authorities.

Contact department for information to register for this course.

BSOS678B **Special Topics in Justice Leadership; Comparative International Law**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Crime and Criminal Justice in Vietnam. Issues that will be focused on the present situation of crime in Vietnam; causes and conditions of criminal activities; include crime forecasting and crime prevention in Vietnam. Also, provides comprehensive overview on the Criminal Justice System in Vietnam and relations among authorities.

Contact department for information to register for this course.

BSST Terrorism Studies Spring 2015

BSST331 **Response to Terrorism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Terrorism Studies minor program. Credit only granted for: BSOS331 or BSST331. Formerly: BSOS331.

Explores the manners in which a variety of different actors respond to both terrorist incidents and the threat of terrorism. Examines local responses to terrorists incidents; local impacts of terrorism including effects on individual and group attitudes and behaviors; policy decisions made in response to both terrorist attacks and the threat of terrorism; terrorism prevention, deterrence, interdiction, and mitigation efforts; and individual and community recovery from terrorist attacks.

0101	Katherine Izsak TuTh 2:00pm - 3:15pm	Seats (Total: 35) ITV 1111	

BSST334 **States of Emergency**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Students will explore the manner in which crises unfold from the perspective of a variety of emergency response disciplines, including: emergency management, law enforcement, intelligence analysis, cyber analysis, risk communication, health and human services, and emergency psychiatry/psychology. Students will participate in a semester-long simulation of an unfolding terrorist attack.

0101	Katherine Izsak Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 40) JMP 3201 ARC 1105	Discussion
0102	Katherine Izsak Tu 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 40) JMP 3201 LEF 2166	Discussion
0103	Katherine Izsak Tu 12:30pm - 1:45pm Th 3:30pm - 4:45pm	Seats (Total: 40) JMP 3201 ARC 1105	Discussion

BSST338F **Special Topics in Terrorism Studies; Media in War and Crisis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST338I **Special Topics in Terrorism Studies; Arab-Israeli Relations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST338M **Special Topics in Terrorism Studies; Ideology and Narrative In Terrorism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

0101	Mansoor Moaddel	Seats (Total: 15)
	W 3:00pm - 5:45pm	JMZ 3203

BSST338N **Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST338R **Special Topics in Terrorism Studies; Peace & Conflict Honors Seminar II: Regional Conflicts**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST340 **Oral Communication for National Security Careers**

Credits: 3 Grading Method: Regular General Education: FSOC

Credit only granted for: BSST340 or BSST338E. Formerly: BSST338E.

Students will discuss perspectives on strategic communication and national security, while discussing and practicing public speaking skills and developing proficiency in three genres of security-related briefings. Students will work with the technical, scientific, and/or specialized data, vocabularies, processes, and products of the academic disciplines and/or fields of expertise relevant to national and international security careers.

SG91	Instructor: TBA	Seats (Total: 40)
	M 3:30pm - 6:00pm	BLD3 3220
	Course restricted to CCJS students at Shady Grove.	

BSST399I **Individual Study in Terrorism Studies; Cybersecurity Directed Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

0101	Katherine Izsak	Seats (Total: 5)
	Contact instructor or department for details.	

BSST399T **Individual Study in Terrorism Studies; Teaching Terrorism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

Prerequisite: permission of department.

0201	Katherine Izsak	Seats (Total: 6)
	Contact instructor or department for details.	

BSST399W **Individual Study in Terrorism Studies; Countering Violent Extremism Fellowship Career Development Part 1**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

0101	Katherine Izsak	Seats (Total: 4)
	Contact instructor or department for details.	

BSST399Z **Individual Study in Terrorism Studies; Cyber Security and Digital Terrorism, Part II**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

0101	Katherine Izsak	Seats (Total: 3)
	Contact instructor or department for details.	

BSST631 **Societal Impacts of and Responses to Terrorism**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in Terrorism Analysis Graduate Certificate Program; or permission of department. Credit only granted for: BSOS631 or BSST631. Formerly: BSOS631.

Explores the manners in which a variety of different actors respond to both terrorist incidents and the threat of terrorism. Examines local responses to terrorist incidents; local impacts of terrorism including effects on individual and group attitudes and behaviors; policy decisions made in response to both terrorist attacks and the threat of terrorism; terrorism prevention, deterrence, interdiction, and mitigation efforts; and individual and community recovery from terrorist attacks.

Restricted to students in the Graduate Certificate in Terrorism Analysis, all other students should contact education@start.umd.edu to obtain permission to register.

ST01	Katherine Izsak	Seats (Total: 25)
	Meets January 26, 2015 - April 17, 2015	
	M 7:00pm - 9:30pm	ONLINE
	Class time/details on ELMs	ONLINE
	Restricted to students in the Graduate Certificate in Terrorism Analysis, all other students should contact education@start.umd.edu to obtain permission to register.	

BSST633 **Research Methods in Terrorism and Counterterrorism**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: BSOS633 or BSST633. Formerly: BSOS633.

Provides students with the opportunity to conduct original research, while exposing them to analytical tools relevant to the study of terrorism. Students will work with a range of data sources on domestic and international terrorism, and will be tasked with using data to test hypotheses related to the causes, behaviors, and/ or impacts of terrorism.

Restricted to students in the Graduate Certificate in Terrorism Analysis, all other students should contact education@start.umd.edu to obtain permission to register.

ST01	Instructor: TBA	Seats (Total: 40)
	Meets January 26, 2015 - April 17, 2015	
	W 6:00pm - 8:30pm	ONLINE
	Contact instructor or department for details.	

BSST638M **Special Topics in Terrorism Studies; Ideology and Narrative In Terrorism**

Credits: 3 Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

0101	Mansoor Moaddel	Seats (Total: 5)
	W 3:00pm - 5:45pm	JMZ 3203

BUAC Accounting and Information Assurance — Spring 2015

BUAC743 **Financial Statement Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0101	Instructor: TBA	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	MW 10:10am - 12:00pm	VMH 1511
BA01	Michael Finch	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	Tu 6:25pm - 10:00pm	BA 101

DC06	Michael Finch **Meets January 24, 2015 - March 14, 2015** Sa 1:40pm - 5:50pm *Meets 1/24, 1/31, 2/07, 2/21, 2/28, 3/7, Final 3/14.*	Seats (Total: 40) DC C1
GS01	Gary Bulmash **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUAC758J **Special Topics in Accounting and Information Assurance; Enterprise Risk Management**

Credits: 2 Grading Method: Regular, Audit

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	Alan Siegfried, Matthew Gagnon **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 40) VMH 1336

BUAC758O **Special Topics in Accounting and Information Assurance; External Auditing**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	James McKinney **Meets March 23, 2015 - May 8, 2015** TuTh 7:00pm - 8:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Espey Browning **Meets March 23, 2015 - May 8, 2015** TuTh 7:00pm - 8:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1303

BUAC758R **Special Topics in Accounting and Information Assurance; Financial Reporting for Executives**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0101	Michael Kimbrough **Meets January 20, 2015 - March 6, 2015** TuTh 3:00pm - 4:50pm	Seats (Total: 40) VMH 1511

BUAC758T **Special Topics in Accounting and Information Assurance; Taxation for Individuals**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	Jeffrey Milton **Meets January 20, 2015 - March 6, 2015** TuTh 3:00pm - 4:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Jeffrey Milton **Meets January 20, 2015 - March 6, 2015** TuTh 5:00pm - 6:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528

BUAC758V **Special Topics in Accounting and Information Assurance; Taxation of Corporations and Other Entities**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

Co-requisite: BUAC758T. Students who have not previously taken BUAC758T must register for both BUAC758T and BUAC758V in the same semester.

0501	Jeffrey Milton **Meets March 23, 2015 - May 8, 2015** TuTh 5:00pm - 6:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Leslie Mostow **Meets March 23, 2015 - May 8, 2015** TuTh 5:00pm - 6:50pm	Seats (Total: 0) VMH 1333

BUAC759 **Independent Study in Accounting and Information Assurance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for masters students in accounting and information assurance.

Contact department for information to register for this course.

BUAC786 **Internal Auditing I: Conceptual and Institutional Framework**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

GS51	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets January 15, 2015 - April 13, 2015	
	M 6:00pm - 9:25pm	BLD2 3032
	For MS in Accounting students only. First meeting will be Thursday 1/15 to make up for the Martin Luther King holiday. Course will then meet on Mondays 1/26, 2/2, 2/9, 2/16, 2/23, 3/2, 3/9, 3/23, 3/30, and 4/6 with a final exam on 4/13.	

BUAC787 **Internal Auditing II: Internal Audit Application and Practice**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BUAC786. Restriction: Must be in Business and Management (Master's) program.

This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

0501	Alan Siegfried, Elizabeth Folsom **Meets March 23, 2015 - May 8, 2015** TuTh 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333

BUAC790 **Informtion Security, Audit and Control**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Builds on basic information technology (IT) courses, focusing on key issues including IT security, IT controls, and IT auditing. Addressing issues such as auditing a computer information system; assessing risks; identifying control objectives; identifying appropriate audit procedures; learning the concepts and basic features or audit software thereby providing the tools for choosing audit software; conducting an operational audit basic controls over computer information systems; and developing world-class IT control frameworks.

0501	Alan Siegfried, Matthew Gagnon **Meets January 20, 2015 - March 6, 2015** TuTh 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333
GS51	David Sites **Meets January 21, 2015 - April 15, 2015** W 6:00pm - 9:25pm *For MS in Accounting students only. Course meets 1/21, 1/28, 2/4, 2/11, 2/18, 2/25, 3/4, 3/11, 3/25, 4/1, 4/8, and 4/15 with a final exam on 4/15.*	Seats (Total: 0) BLD2 3032

BUDT Decision and Information Technologies Spring 2015

BUDT706 **Social Media and Web 2.0**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Over the past years, social computing technologies such as online communities, blogs, wikis, and social networking systems have become important tools for individuals to seek information, socialize with others, get support, collaborate on work, and express themselves. Increasingly, businesses are trying to leverage web 2.0 by using social computing technologies to communicate with customers, employees, and other business partners or to build new business models. This course will review concepts and principles related to web 2.0 and examine issues and strategies associated with business use of social computing technologies.

0101	Barnet Corwin **Meets March 23, 2015 - May 8, 2015** TuTh 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
BA01	Philip Piety **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) BA 103

BUDT732 **Decision Analytics**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI630. Credit only granted for: BMGT732 or BUDT732. Formerly: BMGT732.

Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

0101	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1505
0201	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1505
DC01	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 41) DC C1

BUDT733 **Data Mining and Predictive Analytics**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI630. Credit only granted for: BMGT733 or BUDT733. Formerly: BMGT733.

Data mining techniques and their use in business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering.

0101	Kislaya Prasad **Meets January 15, 2015 - March 6, 2015** MW 10:10am - 12:00pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) VMH 1520
BA01	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 41) BA 103
DC01	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** Th 6:25pm - 10:00pm	Seats (Total: 43) DC C3
GS01	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUDT758B **Special Topics in Decision, Operations and Information Technologies; Big Data**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Instructor: TBA **Meets January 20, 2015 - May 8, 2015** TuTh 12:30pm - 1:45pm *For MS in Information Systems students only.*	Seats (Total: 30) VMH 1520

BUDT758F **Special Topics in Decision, Operations and Information Technologies; Google Online Challenge and Analytics**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Sivakumar Viswanathan	Seats (Total: 30)
	Meets January 20, 2015 - May 8, 2015	
	TuTh 9:30am - 10:45am	VMH 1520
	For MS in Information Systems students only.	

BUDT758K **Special Topics in Decision, Operations and Information Technologies; Computer Simulation for Business Applications**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Sean Barnes	Seats (Total: 40)
	Meets January 20, 2015 - May 8, 2015	
	TuTh 3:30pm - 4:45pm	VMH 1520
	For MS in Information Systems students only.	

BUDT758N **Special Topics in Decision, Operations and Information Technologies; Business Process Analysis for Information Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Instructor: TBA	Seats (Total: 0)
	Meets January 15, 2015 - May 8, 2015	
	MW 12:30pm - 1:45pm	VMH 1202
	For MS in Information Systems students only. First class meeting will b Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	
0502	Instructor: TBA	Seats (Total: 0)
	Meets January 15, 2015 - May 8, 2015	
	MW 11:00am - 12:15pm	VMH 1202
	For MS in Information Systems students only. First class meeting will b Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	

BUDT758P **Special Topics in Decision, Operations and Information Technologies; Decision Analytics**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Instructor: TBA	Seats (Total: 46)
	Meets January 20, 2015 - May 8, 2015	
	TuTh 2:00pm - 3:15pm	VMH 1520
	For MS in Information Systems students only.	

BUDT758R **Special Topics in Decision, Operations and Information Technologies; Operations and Supply Chain Strategy**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0101	Pamela Armstrong	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	TuTh 7:00pm - 8:50pm	VMH 1330
DC01	Pamela Armstrong	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	M 6:25pm - 10:00pm	DC C4

BUDT758T **Special Topics in Decision, Operations and Information Technologies; Data Mining and Predictive Analytics**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Kislaya Prasad	Seats (Total: 46)
	Meets January 20, 2015 - May 8, 2015	
	TuTh 11:00am - 12:15pm	VMH 1520
	For MS in Information Systems students only.	

BUDT759 **Independent Study in Decision and Information Technologies**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for masters students in decision and information technologies.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.

Specialized course on pricing and revenue management (PRM) that provide students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

DC06	Sharon Hormby	Seats (Total: 40)
	Meets January 24, 2015 - March 14, 2015	
	Sa 1:40pm - 5:50pm	DC C2
	Meets 1/24, 1/31, 2/7, 2/21, 2/28, 3/7, Final 3/14.	

BUFN Finance Spring 2015

BUFN738 **Investment Fund Management**

(Perm req)

Credits: 3 Grading Method: Regular

Provides second-year Master in Business Administration students with th opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.

Contact department for information to register for this course.

BUFN738A **Investment Fund Management; Investment Fund Management: Mayer Fund**

(Perm req)

Credits: 3 Grading Method: Regular

Provides second-year Master in Business Administration students with th opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.

Contact department for information to register for this course.

BUFN738B **Investment Fund Management; New Market's Venture Fund**

(Perm req)

Credits: 3 Grading Method: Regular

Provides second-year Master in Business Administration students with th opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.

Contact department for information to register for this course.

BUFN740 **Capital Markets**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

0101	Instructor: TBA	Seats (Total: 40)
	Meets January 15, 2015 - March 6, 2015	
	MW 1:00pm - 2:50pm	VMH 1528
	First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two. For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUFN750 **Valuation in Corporate Finance**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.

An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0101	Instructor: TBA	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	TuTh 1:00pm - 2:50pm	VMH 1505

0201	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** TuTh 3:00pm - 4:50pm	Seats (Total: 35) VMH 1505
DC06	Instructor: TBA **Meets January 24, 2015 - March 14, 2015** Sa 8:40am - 12:50pm *Meets 1/24, 1/31, 2/7, 2/21, 2/28, 3/7, Final 3/14.*	Seats (Total: 40) DC C1

BUFN751 **Financial Strategy For Corporations**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

An advanced course in corporate finance, focusing on the issues that firms face when they plan to raise external capital from financial markets. The focus is on the financing problems faced by mid-market to large firms and on capital raised from public markets. The forms of external finance vary from simple debt or equity to more complex securities that bundle with an element of risk management.

0101	Kathleen Hanley **Meets March 23, 2015 - May 8, 2015** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1511
0501	Instructor: TBA **Meets January 15, 2015 - March 6, 2015** MW 5:00pm - 6:50pm *For Master of Finance students only. First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 50) VMH 1336
DC01	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC51	Kathleen Hanley **Meets March 23, 2015 - May 8, 2015** W 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 50) DC C1

GS01	Instructor: TBA	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	Tu 6:25pm - 10:00pm	BLD2 3032

BUFN752 **Financial Restructuring**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.

Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0501	Instructor: TBA	Seats (Total: 50)
	Meets March 23, 2015 - May 8, 2015	
	Tu 5:00pm - 8:35pm	VMH 1330
	For Master of Finance students only.	
BA01	Instructor: TBA	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	Th 6:25pm - 10:00pm	BA 103

BUFN754 **Corporate Risk Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0501	Ceyed Baiju	Seats (Total: 50)
	Meets January 20, 2015 - March 6, 2015	
	Th 6:25pm - 10:00pm	VMH 1335
	For Master of Finance students only.	

DC51	Clifford Rossi **Meets March 23, 2015 - May 8, 2015** Tu 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 50) DC C1

BUFN755 **Entrepreneurial Finance and Private Equity**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647.

An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

0101	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1528
0501	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** TuTh 10:10am - 12:00pm *For Master of Finance students only.*	Seats (Total: 44) VMH 1528
DC51	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** M 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 50) DC C1

BUFN758C **Special Topics in Finance; Financial Regulation**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

0501	Kathleen Hanley	Seats (Total: 35)
	Meets January 20, 2015 - March 6, 2015	
	TuTh 3:00pm - 4:50pm	VMH 1518
	For Master of Finance students only.	

BUFN758F **Special Topics in Finance; Experiential Learning Project**

Credits: 1-2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BUFN758M **Special Topics in Finance; Hedge Fund Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

0501	Kenneth Brodkowitz	Seats (Total: 35)
	Meets January 20, 2015 - March 6, 2015	
	TuTh 5:00pm - 6:50pm	VMH 1330
	For Master of Finance students only.	

BUFN758N **Special Topics in Finance; Financial Econometrics**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

0501	Instructor: TBA	Seats (Total: 0)
	Meets January 15, 2015 - March 6, 2015	
	MW 1:00pm - 2:50pm	VMH 1511
	For Master of Finance students only. First class meeting will be Thursday, January 15, at the usual time and location to make up for the Martin Luther King holiday.	
0502	Instructor: TBA	Seats (Total: 0)
	Meets January 15, 2015 - March 6, 2015	
	MW 10:10am - 12:00pm	VMH 1511
	For Master of Finance students only. First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	

DC51	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** Tu 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 0) DC C2

BUFN758O **Special Topics in Finance; Financial Econometrics II**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

0501	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** M 5:00pm - 8:35pm *For Master of Finance students only.*	Seats (Total: 0) VMH 1333
0502	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** W 5:00pm - 8:35pm *For Master of Finance students only.*	Seats (Total: 0) VMH 1333
DC51	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** Th 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 0) DC C1

BUFN759 **Independent Study in Finance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in finance.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.

Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke **Meets March 23, 2015 - May 8, 2015** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1505
BA01	Sarah Kroncke **Meets January 15, 2015 - March 6, 2015** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) BA 103
DC06	Instructor: TBA **Meets March 21, 2015 - May 16, 2015** Sa 8:40am - 12:50pm *Meets 3/21, 3/28, 4/11, 4/18, 5/2, 5/9, Final 5/16.*	Seats (Total: 40) DC C2
DC51	Sarah Kroncke **Meets March 23, 2015 - May 8, 2015** M 2:00pm - 5:35pm	Seats (Total: 36) DC C3
GS01	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUFN761 **Derivative Securities**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726.

Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0101	Clifford Rossi **Meets March 23, 2015 - May 8, 2015** TuTh 10:10am - 12:00pm	Seats (Total: 40) VMH 1511

BUFN762 **Fixed Income Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.

Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

DC01	Mark Taranto **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) DC C1

BUFN763 **Portfolio Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700.

Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0501	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** TuTh 10:10am - 12:00pm *For Master of Finance students only.*	Seats (Total: 50) VMH 1528
0502	Instructor: TBA **Meets January 20, 2015 - March 6, 2015** TuTh 1:00pm - 2:50pm *For Master of Finance students only.*	Seats (Total: 40) VMH 1528

0503	Mark Loewenstein **Meets January 20, 2015 - March 6, 2015** TuTh 8:00am - 9:50am *Master of Finance students only.*	Seats (Total: 50) VMH 1528
DC51	Instructor: TBA **Meets January 15, 2015 - March 6, 2015** M 2:00pm - 5:35pm *For Master of Finance students only. First class will be Thursday, January 15.*	Seats (Total: 50) DC C1

BUFN764 **Quantitative Investment Strategy**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN763. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Provides an introduction to quantitative techniques of selecting equities, as used commonly among long-short equity hedge funds and other quantitative equity asset management companies. Statistical factor models are developed to locate stocks with higher expected returns, based on the observable characteristics of the stocks. Implementation issues, including statistical estimation, backtesting and portfolio construction, are covered, as is performance evaluation.

0501	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** TuTh 1:00pm - 2:50pm *For Master of Finance students only.*	Seats (Total: 40) VMH 1528
DC51	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** M 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 45) DC C2

BUFN765 **Fixed Income Derivatives**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.

Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

DC01	Mark Taranto **Meets March 23, 2015 - May 8, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC51	Mark Taranto **Meets January 20, 2015 - March 6, 2015** W 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 50) DC C1

BUFN766 Financial Engineering

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.

Develop Excel and Visual Basic (VBA) models to solve problems related t portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

0501	Mark Taranto **Meets March 23, 2015 - May 8, 2015** MW 1:00pm - 2:50pm *For Master of Finance students only.*	Seats (Total: 40) VMH 1511
DC01	Mark Taranto **Meets January 20, 2015 - March 6, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C2
DC51	Mark Taranto **Meets January 20, 2015 - March 6, 2015** Tu 2:00pm - 5:35pm *For Master of Finance students only.*	Seats (Total: 50) DC C2

BUFN772 Bank Management

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN722 or BUFN772. Formerly: BUFN722.

Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

0101	Clifford Rossi **Meets January 15, 2015 - March 6, 2015** MW 1:00pm - 2:50pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) VMH 1505
BA01	Elinda Kiss **Meets March 23, 2015 - May 8, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUFN773 Institutional Asset Management

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

0101	Albert Kyle **Meets March 23, 2015 - May 8, 2015** TuTh 3:00pm - 4:50pm	Seats (Total: 40) VMH 1505
0501	Albert Kyle **Meets March 23, 2015 - May 8, 2015** TuTh 10:10am - 12:00pm *For Master of Finance students only.*	Seats (Total: 45) VMH 1505

DC01	Albert Kyle	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	W 6:25pm - 10:00pm	DC C4

BULM Logistics, Business, and Public Policy Spring 2015

BULM724 **Negotiations in Supply Chain Management**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

This high experiential course will improve students' negotiation skills and capacity to acquire and effectively use power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students negotiating self confidence and improve students analytical skills, interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Vijaya Venkataramani	Seats (Total: 34)
	Meets January 20, 2015 - March 6, 2015	
	W 6:25pm - 10:00pm	VMH 1314
	For MS in Supply Chain students only.	

BULM733 **Global Trade Logistics**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773.

Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

BA01	Gary Cohen	Seats (Total: 41)
	Meets January 31, 2015 - February 28, 2015	
	Sa 8:30am - 6:00pm	BA 103
	Meets 1/31, 2/14, 2/28.	

BULM734 **Assessing and Managing Supply Chain Risks**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Supply chain managers are facing an increasingly volatile operating environment, with constant danger of trading community disruption from business, social and environmental risks. Students are provided with a working knowledge of both the core techniques of supply chain risk assessment and mitigation; as well as best practices in establishing formal corporate supply chain risk management programs. A semester-long X-Treme Supply Chain Simulation will enable students to gain hands-on experience in navigating a computer company through a complex and risky four quarters of global business operations.

0501	Sandor Boyson	Seats (Total: 56)
	Meets March 23, 2015 - May 8, 2015	
	MW 8:00am - 10:40am	VMH 1528
	For MS in Supply Chain students only.	

BULM736 **Executives in Supply Chain Management**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Designed to provide students an opportunity to engage in intensive interaction with senior supply chain executives from a cross-section of industries. Executives share their insights on leading competitive supply chains in the global marketplace, while students research the competitive supply chain dynamics of each executive's industry.

0501	Geoffrey Milsom	Seats (Total: 28)
	Meets March 23, 2015 - May 8, 2015	
	MW 5:00pm - 7:45pm	VMH 1411

BULM744 **Global Supply Chain Risk Management**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; and permission of BMGT-Robert H. Smith School of Business.

Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

DC06	Sandor Boyson	Seats (Total: 40)
	Meets March 7, 2015 - March 21, 2015	
	Sa 8:30am - 6:00pm	DC C4
	Meets 3/7, 3/14, 3/21.	

BULM758A **Special Topics in Logistics, Business and Public Policy**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Sandor Boyson	Seats (Total: 28)
	Meets March 23, 2015 - May 8, 2015	
	MW 12:00pm - 2:40pm	VMH 1528
	For MS in Supply Chain Management students only.	
0502	Sandor Boyson	Seats (Total: 28)
	Meets March 23, 2015 - May 8, 2015	
	MW 12:00pm - 2:40pm	VMH 1528
	For MS in Supply Chain Management students only.	

BULM758J **Special Topics in Logistics, Business and Public Policy; Project Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Instructor: TBA	Seats (Total: 34)
	Meets January 20, 2015 - March 6, 2015	
	TuTh 5:00pm - 6:50pm	VMH 1333
	For MS in Supply Chain Management students only.	

BULM759 **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Logistics Management.

Contact department for information to register for this course.

BUMK Marketing Spring 2015

BUMK701 **Marketing Research Methods**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650 and BUSI630. Credit only granted for: BMGT752 or BUMK701. Formerly: BMGT752.

The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

0101	Tao Chen	Seats (Total: 40)
	Meets January 15, 2015 - March 6, 2015	
	MW 3:00pm - 4:50pm	VMH 1511
	First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	
BA01	David Ashley	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	Tu 6:25pm - 10:00pm	BA 101

BUMK715 **Consumer Behavior**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754.

Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business.

Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Rosellina Ferraro **Meets January 20, 2015 - March 6, 2015** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1511
BA01	Rosellina Ferraro **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101
GS01	Marjorie Bonavia **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMK716 **Brand Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Brand names are valuable assets for firms. Effective brand management i critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

0101	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** MW 1:00pm - 2:50pm	Seats (Total: 40) VMH 1520

BUMK731 **Business-to-Business Marketing**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650.

Focus is large fraction of marketing activity directed at organizationa customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances.

DC01	Elizabeth Sara **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 40) DC C5

BUMK757 **Marketing Strategy**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Credit only granted for: BMGT757 or BUMK757. Formerly: BMGT757.

A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented.

Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Diane Whitney **Meets March 23, 2015 - May 8, 2015** TuTh 3:00pm - 4:50pm	Seats (Total: 35) VMH 1518
DC01	Diane Whitney **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2

BUMK758A **Special Topics in Marketing; Market Forecasting**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

0101	Wendy Moe **Meets January 15, 2015 - March 6, 2015** MW 10:10am - 12:00pm *First class meeting will be Thursday, January 15 at the usual meeting time and location to make up for the Martin Luther King Jr. Holiday.*	Seats (Total: 40) VMH 1528
GS51	Wendy Moe **Meets January 15, 2015 - March 6, 2015** MW 2:00pm - 3:50pm *For MS in Marketing Analytics students only. First class meeting will b Thursday, January 15 at the usual meeting time and location to make up for the Martin Luther King Jr. Holiday.*	Seats (Total: 0) BLD2 2032

BUMK758H **Special Topics in Marketing; Business Ethics II & Policies**

(Perm req)

Credits: 1 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	Wendy Moe	Seats (Total: 0)
	Meets January 20, 2015 - May 8, 2015	
	F 1:00pm - 2:50pm	BLD2 2032
	For MS in Marketing Analytics students only. First class on 1/23, then will meet 3:20-5:10pm on the following dates: 3/25, 4/1, 4/8, 4/15, 4/22, 4/29.	

BUMK758L **Special Topics in Marketing; Marketing Research and Analysis**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	David Ashley	Seats (Total: 0)
	Meets January 20, 2015 - May 8, 2015	
	Th 1:00pm - 3:30pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758M **Special Topics in Marketing; Retail Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	Jie Zhang	Seats (Total: 0)
	Meets March 23, 2015 - May 8, 2015	
	W 11:00am - 3:05pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

0101	Jeremy Brown	Seats (Total: 40)
	Meets January 15, 2015 - March 6, 2015	
	MW 8:00am - 9:50am	VMH 1511
	First class meeting will be Thursday, January 15 at the usual meeting time and location to make up for the Martin Luther King Jr. Holiday.	

GS01	Jeremy Brown **Meets March 23, 2015 - May 8, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMK758P **Special Topics in Marketing; Innovation and Product Development**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

0101	Yogesh Joshi **Meets March 23, 2015 - May 8, 2015** TuTh 1:00pm - 2:50pm	Seats (Total: 42) VMH 1505
DC01	Yogesh Joshi **Meets March 23, 2015 - May 8, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C2
GS01	Yogesh Joshi **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2052

BUMK758Q **Special Topics in Marketing; Action Learning Project**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	Wendy Moe **Meets January 20, 2015 - March 6, 2015** F 8:30am - 12:05pm *For MS in Marketing Analytics students only.*	Seats (Total: 0) BLD2 2032

BUMK758W **Special Topics in Marketing; Data Science**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	Liye Ma, William Rand	Seats (Total: 0)
	Meets January 20, 2015 - May 8, 2015	
	Tu 3:00pm - 5:30pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758Y **Special Topics in Marketing; Innovation Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

GS51	Yogesh Joshi	Seats (Total: 0)
	Meets March 23, 2015 - May 8, 2015	
	M 1:00pm - 4:35pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK759 **Independent Study in Marketing**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Marketing.

Contact department for information to register for this course.

BUMO Management and Organization Spring 2015

BUMO714 **Competitive and Collaborative Negotiation**

Credits: 2 Grading Method: Regular

Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764.

Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

BA01	Gosia Langa	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	Tu 6:25pm - 10:00pm	BA 103

BUMO720 **Understanding Organizational Change**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI664 or BUSI662. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

0101	Myeong-Gu Seo **Meets January 20, 2015 - March 6, 2015** TuTh 10:10am - 12:00pm	Seats (Total: 35) VMH 1518

BUMO732 Entrepreneurship and New Ventures

Credits: 2 Grading Method: Regular

Credit only granted for: BUMO732 or BUSI660. Formerly: BMGT780.

Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Daniel Gordon **Meets January 15, 2015 - March 6, 2015** MW 8:00am - 9:50am *First class meeting will be Thursday, January 15 at the usual time an location to make up for the Martin Luther King holiday*	Seats (Total: 40) VMH 1528
BA01	James Capo **Meets March 23, 2015 - May 8, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 104
DC01	Daniel Gordon **Meets January 15, 2015 - March 6, 2015** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday*	Seats (Total: 45) DC C1

BUMO751 Implementing Strategy: Organizing to Compete

Credits: 2 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in BUSI690. And must have completed MBA core requirements; or permission of BMGT-Robert H. Smith School of Business.

Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Paulo Prochno **Meets January 20, 2015 - March 6, 2015** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1511
DC01	Paulo Prochno **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC06	Paulo Prochno **Meets January 24, 2015 - March 14, 2015** Sa 8:40am - 12:50pm *Meets 1/24, 1/31, 2/7, 2/21, 2/28, 3/7, Final 3/14.*	Seats (Total: 40) DC C2

BUMO752 **Strategic Growth for Emerging Companies**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

DC01	Jonathan Aberman **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 40) DC C1

BUMO753 **Emerging Business Formation**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Business formation issues, legal obligations that affect entrepreneuria activities, the spectrum of financing methods available to emerging businesses, creating management and organization and a practical application of the tools through practical projects.

DC01	Jonathan Aberman	Seats (Total: 45)
	Meets March 23, 2015 - May 8, 2015	
	W 6:25pm - 10:00pm	DC C3

BUMO754 **Global Strategy**

Credits: 2 Grading Method: Regular

Credit only granted for: BUSI674 or BUMO754. Formerly: BMGT795.

Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantage in a global context?

DC01	Anil Gupta	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	Th 6:25pm - 10:00pm	DC C2
DC06	Anil Gupta	Seats (Total: 40)
	Meets March 21, 2015 - May 16, 2015	
	Sa 1:40pm - 5:50pm	DC C1
	Meets 3/21, 3/28, 4/11, 4/18, 5/2, 5/9, Final 5/16.	
GS01	Paulo Prochno	Seats (Total: 40)
	Meets March 23, 2015 - May 8, 2015	
	W 6:25pm - 10:00pm	BLD2 2052

BUMO758D **Special Topics in Management and Organization; Social Entrepreneurship**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC06	James Sanders	Seats (Total: 40)
	Meets March 21, 2015 - May 16, 2015	
	Sa 1:40pm - 5:50pm	DC C2
	Meets 3/21, 3/28, 4/11, 4/18, 5/2, 5/9, Final 5/16.	

BUMO758L **Special Topics in Management and Organization; Leadership Development**

Credits: 4 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC01	Hui Liao	Seats (Total: 40)
	Meets January 15, 2015 - May 8, 2015	
	M 6:25pm - 10:00pm	DC C2
	First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday	

BUMO759 **Independent Study in Management and Organization**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in management and organization.

Contact department for information to register for this course.

BUMO761 **Creativity for Business Leaders and Entrepreneurs**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661.

Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

BA01	Oliver Schlake	Seats (Total: 40)
	Meets January 20, 2015 - March 6, 2015	
	Th 6:25pm - 10:00pm	BA 103

BUMO794 **Essentials of Negotiation**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

This highly experiential course will improve students' negotiation skills and capacity to acquire and effectively use bargaining power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to claim value and achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students' negotiating self-confidence and improve students' analytical and decision-making skills (e.g., understanding bargaining zones, knowing when an agreement can be made and when to walk away; learning how to prepare for negotiations), interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Douglas Riley	Seats (Total: 0)
	Meets January 15, 2015 - March 6, 2015	
	MW 7:00pm - 8:50pm	VMH 1333
	For MS in Accounting students only. First class will be Thursday, January 15.	
0502	Douglas Riley	Seats (Total: 0)
	Meets January 15, 2015 - March 6, 2015	
	MW 5:00pm - 6:50pm	VMH 1333
	For MS in Accounting students only. First class will be Thursday, January 15.	
GS51	Rellie Rozin	Seats (Total: 0)
	Meets April 20, 2015 - May 13, 2015	
	MW 6:00pm - 9:35pm	BLD2 3032
	For MS in Accounting students only, meets 4/20. 4/22, 4/27, 4/29, 5/4, 5/6, 5/11, final 5/13.	

BUMO796 **Leadership and Human Resource Management for Accountants and Auditors**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Develops the concepts, frameworks, and skills that are important to be effective leaders and to successfully manage human resources. Topics for discussion include: Creating a motivating and empowering environment; leadership attributes, power and effective influence; building effective decision-making; strategic management of human resources; specification of the skills and competencies requisite for job success; recruiting and selecting employees to fit the job and the organization; measuring, appraising and improving performance. All of the topics selected for discussion are critical ones that every professional needs to know, regardless of functional area (not just HR professionals), and will help students become more effective consultants, managers and leaders.

0501	Karin Hurt	Seats (Total: 0)
	Meets March 23, 2015 - May 8, 2015	
	W 5:00pm - 10:00pm	VMH 1336
	Contact instructor or department for details.	
	For MS in Accounting students only.	

BUSI Part-Time MBA Program Spring 2015

BUSI611 **Managerial Accounting**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

0101	Colin Linsley	Seats (Total: 45)
	Meets January 20, 2015 - March 6, 2015	
	MW 8:00am - 9:50am	VMH 1505
	Make up class on Friday 3/6 for Martin Luther King holiday.	
0201	Colin Linsley	Seats (Total: 45)
	Meets January 20, 2015 - March 6, 2015	
	MW 10:10am - 12:00pm	VMH 1505
	Make up class on Friday 3/6 for Martin Luther King holiday.	

BUSI621 **Strategic and Transformational IT**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.

Introduces students to the key issues in managing information technolog (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0101	Henry Lucas **Meets January 20, 2015 - March 6, 2015** TuTh 10:10am - 11:25am Class time/details on ELMs *Section will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 40) VMH 1511 ONLINE
0501	Anand Gopal **Meets January 15, 2015 - March 6, 2015** MW 5:00pm - 6:50pm *For MS in Information Systems students only. First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) VMH 1202
0502	Anand Gopal **Meets January 15, 2015 - March 6, 2015** MW 3:00pm - 4:50pm *For MS in Information Systems students only. First class meeting will b Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) VMH 1505
BA01	Sunil Mithas **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC01	Anand Gopal **Meets March 23, 2015 - May 8, 2015** W 6:25pm - 10:00pm	Seats (Total: 54) DC C1
DC06	Sunil Mithas **Meets March 28, 2015 - May 16, 2015** Sa 2:00pm - 6:30pm *Meets 3/28, 4/11, 4/25, 5/9, Final 5/16.*	Seats (Total: 0) DC C3
GS01	Sunil Mithas **Meets March 23, 2015 - May 8, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD2 2032

BUSI622 Managing Digital Business Markets

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0101	Guodong Gao **Meets January 20, 2015 - March 6, 2015** TuTh 8:00am - 9:50am	Seats (Total: 40) VMH 1505
0201	Guodong Gao **Meets January 20, 2015 - March 6, 2015** TuTh 10:10am - 12:00pm	Seats (Total: 40) VMH 1505
BA01	Il-Horn Hann **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 9:30pm Class time/details on ELMs *This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 50) BA 104 ONLINE
DC01	Il-Horn Hann **Meets March 23, 2015 - May 8, 2015** W 6:25pm - 9:30pm Class time/details on ELMs *This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 54) DC C2 ONLINE

BUSI630 **Data, Models and Decisions**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Kislaya Prasad **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Tunay Tunca **Meets January 15, 2015 - March 6, 2015** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) DC C3
DC02	Tunay Tunca **Meets January 20, 2015 - March 6, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Instructor: TBA **Meets January 31, 2015 - March 21, 2015** Sa 8:30am - 1:00pm *Meets 1/31, 2/14, 2/28, 3/14, Final 3/21.*	Seats (Total: 0) DC C3
GS01	Tunay Tunca **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI634 **Operations Management**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

0101	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** MW 8:00am - 9:50am	Seats (Total: 44) VMH 1505

0201	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** MW 10:10am - 12:00pm	Seats (Total: 44) VMH 1505

BUSI640 **Financial Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.

BA01	Michael Faulkender **Meets March 23, 2015 - May 8, 2015** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Michael Faulkender **Meets March 23, 2015 - May 8, 2015** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Bharat Jain **Meets March 28, 2015 - May 16, 2015** Sa 8:30am - 1:00pm *Meets 3/28, 4/11, 4/25, 5/9, Final 5/16.*	Seats (Total: 0) DC C3
GS01	Instructor: TBA **Meets March 23, 2015 - May 8, 2015** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI650 **Marketing Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Judy Frels **Meets January 15, 2015 - March 6, 2015** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) BA 104
DC01	David Godes **Meets January 20, 2015 - March 6, 2015** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	David Godes **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Pallassana Kannan **Meets January 31, 2015 - March 21, 2015** Sa 2:00pm - 6:30pm *Meets 1/31, 2/14, 2/28, 3/14, Final 3/21.*	Seats (Total: 0) DC C3
GS01	Judy Frels **Meets January 20, 2015 - March 6, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI672 **Global Supply Chain Management**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0101	Thomas Corsi **Meets March 23, 2015 - May 8, 2015** MW 7:00pm - 8:50pm	Seats (Total: 40) VMH 1202
DC01	Thomas Corsi **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUSI673 **International Economics for Managers**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

0101	Wilbur Chung **Meets January 15, 2015 - March 6, 2015** MW 3:00pm - 4:50pm *First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) VMH 1528

BUSI758C **Special Topics in Business; China Ad-Venture**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758D **Special Topics in Business; Digital Strategies for Businesses**

Credits: 4 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758F **Special Topics in Business; Experiential Learning Project**

Credits: 1-2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758G **Special Topics in Business; Global Consulting Practicum**

Credits: 2-4 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758I **Special Topics in Business; Technology and Innovation Leadership**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

For MBA students only.

Contact department for information to register for this course.

BUSI758J **Special Topics in Business; SAP Software & Solutions / Enterprise Resource Planning**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0501	Hongyi Zhang **Meets January 20, 2015 - March 6, 2015** Tu 8:00am - 11:35am *For MS in Supply Chain Management students only.*	Seats (Total: 19) VMH 3522
0502	Hongyi Zhang **Meets January 20, 2015 - March 6, 2015** Th 8:00am - 11:35am *For MS in Supply Chain Management students only.*	Seats (Total: 19) VMH 3522
0503	Hongyi Zhang **Meets January 20, 2015 - March 6, 2015** F 10:00am - 1:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 19) VMH 3522

BUSI758L **Special Topics in Business; Ethical Leadership**

Credits: 1 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Shreevardhan Lele	Seats (Total: 40)
	Meets February 6, 2015 - February 27, 2015	
	F 9:30am - 12:40pm	Location: TBA
	Meets 2/6, 2/13, 2/20, Final 2/27.	

BUSI758M **Special Topics in Business; Community Wealth Building Practicum**

Credits: 4 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758P **Special Topics in Business; Current Issues in Federal Acquisition**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Also offered as ENSE698F and PUAF689F.

0101	Jacques Gansler	Seats (Total: 20)
	M 4:15pm - 6:45pm	VMH 1203

BUSI758Q **Special Topics in Business; Business Problem Solving Consulting Practicum**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758R **Special Topics in Business; Social Venture Consulting Practicum**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758V **Special Topics in Business; Venture Practicum**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758W **Special Topics in Business; Center for Financial Policy Consulting Practicum**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758X **Special Topics in Business; Business Sytems Innovation Practicum**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

For MBA students only.

Contact department for information to register for this course.

BUSI758Y **Special Topics in Business; DC I-Corps: Tech Venture Builder**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI759 **Independent Study in Business**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

Credits: 2 Grading Method: Regular

Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794.

The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

GS01	Peter Morici	Seats (Total: 40)
	Meets January 31, 2015 - February 21, 2015	
	SaSu 8:30am - 5:50pm	BLD2 2032
	Meets 1/31, 2/1, 2/21.	

BUSI764 **Business Law for Managers**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793.

Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

0501	William McClenahan **Meets January 20, 2015 - March 6, 2015** TuTh 7:00pm - 8:50pm *For MS in Acccounting students only.*	Seats (Total: 0) VMH 1528
0502	Ronald Meisburg **Meets January 20, 2015 - March 6, 2015** TuTh 7:00pm - 8:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1303
BA01	Gideon Mark **Meets January 20, 2015 - March 6, 2015** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUSI785 **Project Management in Dynamic Environments**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0501	Instructor: TBA **Meets January 15, 2015 - March 6, 2015** MW 3:00pm - 4:50pm *For MS in Information Systems students only. First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) VMH 1520

0502	Instructor: TBA	Seats (Total: 0)
	Meets January 15, 2015 - March 6, 2015	
	MW 1:00pm - 2:50pm	VMH 1520
	For MS in Information Systems students only. First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	
GS01	Instructor: TBA	Seats (Total: 40)
	Meets January 15, 2015 - March 6, 2015	
	M 6:25pm - 10:00pm	BLD2 2032
	First class meeting will be Thursday, January 15 at the usual time and location to make up for the Martin Luther King holiday.	

BUSI798B **Global Business Experience; Doing Business in Brazil**

Credits: 3 Grading Method: Regular, Audit

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI798E **Global Business Experience; Doing Business in Europe**

Credits: 3 Grading Method: Regular, Audit

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI798L **Global Business Experience; Doing Business in Chile**

Credits: 3 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI798M **Global Business Experience; Doing Business in the UAE**

Credits: 3 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI798Y **Global Business Experience; Doing Business in Singapore and Japan**

Credits: 3 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Spring 2015

CBMG688B **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

Credits: 1 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Anne Simon	Seats (Total: 20)
	Meets March 19, 2015 - May 12, 2015	
	Tu 8:00am - 10:00am	MCB 2119

CBMG688C **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Kevin McIver	Seats (Total: 40)
	Contact instructor or department for details.	

CBMG688F **Special Topics in Cell Biology and Molecular Genetics; Gene Expression**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Wade Winkler	Seats (Total: 35)
	Meets January 26, 2015 - March 18, 2015	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688G **Special Topics in Cell Biology and Molecular Genetics; Evolution of Transcriptional Regulation - A Computational Perspective**

Credits: 2-3 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Sridhar Hannenhalli	Seats (Total: 15)
	Tu 10:00am - 12:00pm	BSB 3118

CBMG688I **Special Topics in Cell Biology and Molecular Genetics; Genetic Analysis**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Stephen Mount	Seats (Total: 30)
	Meets March 19, 2015 - May 12, 2015	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688L **Special Topics in Cell Biology and Molecular Genetics; Microbial Pathogenesis**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Volker Briken, Kevin McIver	Seats (Total: 20)
	Meets January 26, 2015 - March 18, 2015	
	MW 8:00am - 10:00am	MCB 1123

CBMG688O **Special Topics in Cell Biology and Molecular Genetics; The Role of Thoroughly Conscious Ignorance on the Advancement of Science**

Credits: 1

Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Instructor: TBA	Seats (Total: 15)
	Meets January 26, 2015 - March 18, 2015	
	W 5:30pm - 6:30pm	MCB 1123
	F 10:00am - 11:00am	MCB 2119

CBMG688Q **Special Topics in Cell Biology and Molecular Genetics; Molecular Vaccinology: Responding to Current and Emerging Diseases**

Credits: 3

Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Peter Hobart, Kenneth Frauwirth	Seats (Total: 20)
	MW 4:00pm - 5:15pm	MCB 2119

CBMG688X **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

Credits: 2

Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subject in the topics of Cell Biology and Molecular Genetics.

0101	Anne Simon	Seats (Total: 20)
	F 3:00pm - 5:00pm	HJP 1216

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

Credits: 1-3

Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	Stephen Mount	Seats (Total: 20)	
	Th 2:00pm - 3:00pm	BRB 1103	

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	Stephen Mount	Seats (Total: 20)	
	F 3:30pm - 6:00pm	PLS 1146	

CBMG699W **Special Problems in Cell Biology and Molecular Genetics; Immunology**

Credits: 3 Grading Method: Regular

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	David Mosser, Kenneth Frauwirth	Seats (Total: 2)	
	MW 12:00pm - 12:50pm	PLS 1140	
	F 2:00pm - 2:50pm	PLS 1111	Discussion

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	David Mosser	Seats (Total: 20)	
	F 9:00am - 10:30am	BRB 3101	

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	Caren Chang	Seats (Total: 20)
	M 12:00pm - 1:00pm	BRB 3101

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

0101	Jonathan Dinman	Seats (Total: 10)
	F 9:30am - 10:30am	MCB 1121

CBMG799 **Masters Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Master's Thesis Research in Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Pre-candidacy Research.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Doctoral Dissertation Research.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Spring 2015

CCJS100 **Introduction to Criminal Justice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Justine Madoo MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 30) LEF 2205 LEF 1201	 Discussion
0102	Justine Madoo MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 30) LEF 2205 TYD 1108	 Discussion
0103	Instructor: TBA MW 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 LEF 1220	 Discussion
0104	Instructor: TBA MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 TYD 1108	 Discussion
0105	Justine Madoo MW 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) LEF 2205 KEY 0121	 Discussion
0106	Justine Madoo MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 30) LEF 2205 COL 0102	 Discussion
0107	Instructor: TBA MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 COL 0100	 Discussion
0108	Instructor: TBA MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 SQH 1105	 Discussion

0201	Justine Madoo MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 TYD 1108	Discussion
0202	Justine Madoo MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 TYD 1108	Discussion
0203	Justine Madoo MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 KEY 0126	Discussion
0204	Justine Madoo MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 WDS 1114	Discussion
0205	Justine Madoo MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 30) SKN 0200 EDU 3233	Discussion
0206	Justine Madoo MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 30) SKN 0200 EDU 3315	Discussion
0207	Justine Madoo MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) SKN 0200 TYD 2102	Discussion
0208	Justine Madoo MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TWS 0234	Discussion

CCJS105 **Introduction to Criminology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Instructor: TBA TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 30) KEY 0106 TYD 0102	Discussion
0102	Instructor: TBA TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 30) KEY 0106 SQH 1107	Discussion
0103	Instructor: TBA TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) KEY 0106 KEY 0116	Discussion
0104	Instructor: TBA TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 TLF 1101	Discussion
0105	Instructor: TBA TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 30) KEY 0106 TYD 2110	Discussion
0106	Instructor: TBA TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 30) KEY 0106 WDS 1130	Discussion
0107	Instructor: TBA TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 30) KEY 0106 TYD 2110	Discussion
0108	Instructor: TBA TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) KEY 0106 TYD 1108	Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:20pm M 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 WDS 0104	Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 30) KEY 0106 MTH 0201	Discussion

0203	Instructor: TBA TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 WDS 1130	Discussion
0204	Instructor: TBA TuTh 12:30pm - 1:20pm W 3:00pm - 3:50pm	Seats (Total: 30) KEY 0106 TYD 1102	Discussion
0205	Instructor: TBA TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 30) KEY 0106 TYD 0102	Discussion
0206	Instructor: TBA TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 30) KEY 0106 TYD 1108	Discussion
0207	Instructor: TBA TuTh 12:30pm - 1:20pm W 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 SQH 1103	Discussion
0208	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 WDS 1114	Discussion

CCJS200 **Statistics for Criminology and Criminal Justice**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 WDS 1114	Discussion

0102	Instructor: TBA TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 JMZ 1122	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 HBK 1108	Discussion
0104	Instructor: TBA TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 HBK 0105	Discussion
0105	Instructor: TBA TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 KEY 0125	Discussion
0106	Instructor: TBA TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 KEY 1117	Discussion

CCJS225 **Reactions to Violence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP, SCIS

Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weakness of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

0101	Min Xie MW 3:00pm - 4:15pm	Seats (Total: 60) KEY 0106	
0201	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 80) LEF 2166	

CCJS230 **Criminal Law in Action**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 100) LEF 2205
0201	Russell Hamill Th 4:00pm - 6:30pm	Seats (Total: 100) MMH 1400

CCJS234 **Law of Criminal Investigation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS230.

General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem Th 6:00pm - 8:30pm	Seats (Total: 100) KEY 0102

CCJS300 **Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).

Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) TYD 2111
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100

SG91	Thomas Alexander Tu 11:00am - 1:30pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 2225	

CCJS320 **Introduction to Criminalistics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS230.

An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph.

This class is taught using a "blended learning" format divided equally with presentation of online recorded lectures, case studies, webcasts and readings; and practical examination of criminalistics procedures and evidence identification exercises in the CCJS Crime Laboratory. There are lab fees associated with this course.

BL01	Thomas Mauriello Class time/details on ELMs M 12:00pm - 2:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab
BL02	Thomas Mauriello Class time/details on ELMs M 3:00pm - 5:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab
BL03	Thomas Mauriello Class time/details on ELMs M 6:00pm - 8:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab

CCJS325 **Slavery in the Twenty First Century: Combating Human Trafficking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Credit only granted for: CCJS325 or CCJS498R. Formerly: CCJS498R.

The trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

0101	Christine Roberts White M 3:00pm - 5:30pm	Seats (Total: 80) TYD 2106	

SG91	Wendy Stickle W 9:30am - 12:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 50) BLD3 4230

CCJS332 **Major Transitions: From Undergraduate to Professional**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Criminology and Criminal Justice program; and sophomore standing or higher.

This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Nicole Jackson W 12:00pm - 12:50pm	Seats (Total: 50) TYD 1102

CCJS340 **Policing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.

Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 200) LEF 2205
0201	David Mitchell TuTh 2:00pm - 3:15pm	Seats (Total: 50) SQH 1120

CCJS350 **Juvenile Delinquency**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105.

Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 100) SQH 1120
0201	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 100) BPS 1250
SG91	Wendy Stickle M 11:00am - 12:15pm Class time/details on ELMs *Limit to CCJS students at Shady Grove*	Seats (Total: 40) BLD3 3206 ONLINE

CCJS352 **Drugs and Crime**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Alan Lehman TuTh 3:30pm - 4:45pm	Seats (Total: 75) SQH 1120
SG91	Mark Janney Th 9:00am - 11:50am *Restricted to SPHL students at Shady Grove.*	Seats (Total: 45) BLD3 2230

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS360 **Victimology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105.

Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 50) TYD 1118

CCJS370 **Race, Crime and Criminal Justice**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.

Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Christine Roberts White W 2:00pm - 4:30pm	Seats (Total: 50) TYD 1118

CCJS386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Independent Research for CCJS Departmental Honors students.

0101	Thomas Loughran M 4:00pm - 6:45pm	Seats (Total: 20) WDS 1127

CCJS398 **Law Enforcement Field Training**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised, structured and focused field training in law enforcement agencies.

Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under direction and supervision of a faculty member.

Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS400 **Criminal Courts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS300; or permission of BSOS-Criminology & Criminal Justice department.

Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms.

SG91	Ryan Cotter Tu 2:00pm - 4:30pm	Seats (Total: 40) BLD3 2225
	Restricted to CCJS students at Shady Grove.	

CCJS418B **Seminar in Criminology and Criminal Justice; Cyber Crime**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisite: CCJS100, CCJS105 and permission of department.

0101	David Maimon TuTh 12:30pm - 1:45pm	Seats (Total: 30) LEF 1220

CCJS444 **Advanced Law Enforcement Administration**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS340.

The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	Instructor: TBA Th 5:00pm - 7:30pm	Seats (Total: 50) LEF 2205

CCJS451 **Crime and Delinquency Prevention**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department.

Methods and programs in prevention of crime and delinquency.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 50) EDU 1121

CCJS452 **Treatment of Criminals and Delinquents**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department.

Processes and methods used to modify criminal and delinquent behavior.

0101	Justine Madoo TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 0117
0201	Instructor: TBA W 4:00pm - 6:30pm	Seats (Total: 50) TYD 2102

SG91	Instructor: TBA Th 3:30pm - 6:00pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 3225

CCJS454 **Contemporary Criminological Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS350, CCJS300, and CCJS105.

Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Maimon TuTh 3:30pm - 4:45pm	Seats (Total: 50) SQH 1117

CCJS461 **Psychology of Criminal Behavior**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105; or students who have taken courses with comparable content may contact the department. And CCJS300.

Biological, environmental, and personality factors which influence criminal behaviors. Biophysiology and crime, stress and crime, maladjustment patterns, psychoses, personality disorders, aggression and violent crime, sex-motivated crime and sexual deviations, alcohol and drug abuse, and criminal behavior.

0101	David Bierie W 5:00pm - 7:30pm	Seats (Total: 50) TYD 1132
SG91	Rebecca Morse TuTh 11:00am - 12:15pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4226

CCJS498C **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.

0101	James Lynch MW 3:30pm - 4:45pm	Seats (Total: 32) LEF 1220

CCJS498G **Selected Topics in Criminology and Criminal Justice; Gangs**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.

Prereuisites: CCJS100 and CCJS105.

0101	Justine Madoo TuTh 12:30pm - 1:45pm	Seats (Total: 50) LEF 2208
SG91	Shawn Eastman M 9:30am - 12:00pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 50) BLD3 4202

CCJS498L **Selected Topics in Criminology and Criminal Justice; Ethics in Criminal Justice**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.

SG91	Charles Jordan Th 11:00am - 1:30pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 2225

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology an criminal justice. Offered in response to student request and faculty interest.

Prerequisite: CCJS100 and CCJS105.

SG91	Nicole Romeiser	Seats (Total: 40)
	MW 12:30pm - 1:45pm	BLD3 4226
	Limit to CCJS students at Shady Grove.	

CCJS600 **Criminal Justice**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600.

Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

Contact department for information to register for this course.

CCJS602 **Courts and Sentencing**

Credits: 3 Grading Method: Regular

Research and theory on prosecution, plea-bargaining, sentencing principles and guidelines, and sentencing policies in practice. Mandatory minimum sentencing, "three strikes" laws, race, gender and class disparities, general and specific deterrent effects of sentencing, restitution and restorative justice, diversion and sentencing to treatment.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	KEY 0121

CCJS604 **Policy Analysis Project**

(Perm req)

Credits: 3 Grading Method: Regular

An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS610 **Research Methods in Criminal Justice and Criminology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Formerly: CRIM610.

Examination of special research problems and techniques.

0101	Jean McGloin W 4:00pm - 6:45pm	Seats (Total: 23) LEF 1222

CCJS611 **Statistical Tools for Criminal Justice**

Credits: 3 Grading Method: Regular

An introduction to essential statistical concepts for analyzing crime and evaluating criminal justice policies. Interpreting crime trends and correlations, risk and conditional probability analysis for repeat offenders and hot spots of crime, time series analysis, experimental statistics, effect sizes, statistical power and significance.

Taught in Nanjing, China.

Contact department for information to register for this course.

CCJS621 **General Linear Models in Criminal Justice Research**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CCJS620. Credit only granted for: CCJS498F or CCJS621. Formerly: CCJS498F.

An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

0101	Laura Dugan M 4:00pm - 6:45pm	Seats (Total: 25) TYD 0111

CCJS651 **Seminar in Criminology**

Credits: 3 Grading Method: Regular, Audit

Formerly: CRIM651.

Analysis of significant recent issues in Criminology.

0101	John Laub Tu 4:00pm - 6:45pm	Seats (Total: 45) TYD 1118

CCJS652 **Seminar in Juvenile Delinquency**

Credits: 3 Grading Method: Regular, Audit

Formerly: CRIM652.

Analysis of delinquency and its control.

0101	Denise Gottfredson M 4:00pm - 6:45pm	Seats (Total: 20) LEF 2165E

CCJS654 **History of Criminological Thought**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CCJS454; or students who have taken courses with comparable content may contact the department. Formerly: CRIM654.

A study of the development of criminological thought from antiquity to the present.

0101	Terence Thornberry Th 4:00pm - 6:45pm	Seats (Total: 20) KEY 0124

CCJS660 **Gender and Crime**

Credits: 3 Grading Method: Regular

Assumptions, biases, and relative strengths and weaknesses of theories of crime as applied to women. Criminal justice sanctioning of crimes by and against women. The course will also explore occupational segregationby gender in criminal justice professions, particularly in the fields ofpolicing, courts (attorneys and judges), and corrections (correctionalofficers and treatment staff).

0101	Sally Simpson Tu 4:00pm - 6:45pm	Seats (Total: 20) LEF 2165E

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Litigation Law**

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS678D **Advanced Topics in Criminology and Criminal Justice; International Law and Process**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS678E **Advanced Topics in Criminology and Criminal Justice; Seminar in Criminal Procedure Law**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

Credits: 1-3 Grading Method: Regular, Audit

Supervised study of a selected problem in the field of criminal justice.

Contact department for information to register for this course.

CCJS699L **Special Criminological Problems; Seminar on Causal Inference**

Credits: 3 Grading Method: Regular, Audit

Supervised study of a selected problem in the field of criminal justice.

0101	Thomas Loughran	Seats (Total: 20)
	Tu 10:00am - 12:45pm	LEF 2165E

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed 1 course in research methodology; and 1 course in CCJS. Formerly: CJUS720.

System theory and method; examination of planning methods and models based primarily on a systems approach to the operations of the criminal justice system.

Also offered as PUAF698F.

Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Doctoral dissertation research in criminal justice and criminology.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Spring 2015

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215.

Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	William Gibbons	Seats (Total: 120)	
	MWF 12:00pm - 12:50pm	CHE 2110	
	F 1:00pm - 1:50pm	JMP 3201	Discussion

CHBE302 **Chemical and Biomolecular Engineering Thermodynamics II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE301. Corequisite: CHBE250. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE302 or ENCH400. Formerly: ENCH400.

Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Mikhail Anisimov	Seats (Total: 90)	
	TuTh 9:30am - 10:45am	EGR 1202	
	F 3:00pm - 3:50pm	CHE 2108	Discussion

CHBE333 **Chemical Engineering Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333.

To develop oral communication skills through a series of class presentations of current chemical engineering topics.

0101	Mikhail Anisimov	Seats (Total: 15)	
	W 2:00pm - 2:50pm	EGR 3111	
0102	Panagiotis Dimitrakopoulos	Seats (Total: 15)	
	W 11:00am - 11:50am	CHE 2145	

CHBE424 **Chemical and Biomolecular Engineering Transport Phenomena II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE422. Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE424 or ENCH424. Formerly: ENCH424.

Principles of mass and heat transfer as applied to model development an process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coefficients with application to turbulent flow. Microscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coefficients with application to turbulent flow. Heat exchanger design.

0101	Richard Calabrese	Seats (Total: 95)	
	TuTh 2:00pm - 3:15pm	CHE 2108	
	F 2:00pm - 2:50pm	CHE 2108	Discussion

CHBE426 **Chemical and Biomolecular Separation Processes**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: CHBE302; and CHBE424. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE426 or ENCH426. Formerly: ENCH426.

Separation by stages operations. Rate dependent separation processes. Design application in distillation, gas absorption, liquid extraction, drying, adsorption and ion exhange.

0101	Amy Karlsson MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 45) CHE 2108 CHE 2110	Discussion
0102	Amy Karlsson MWF 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 45) CHE 2108 ITV 1111	Discussion

CHBE446 **Process Engineering Economics and Design II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE442 and CHBE444. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE446 or ENCH446. Formerly: ENCH446.

Application of chemical engineering principles for the design of chemical processing equipment. Representative problems in the design of chemical plants will be the focus of this capstone design class. Comprehensive reports are required.

0101	Raymond Adomaitis W 3:00pm - 5:40pm	Seats (Total: 40) KEB 1200	
0201	Nam Sun Wang Th 8:00am - 10:40am	Seats (Total: 40) CHE 2136	
0301	Nam Sun Wang F 10:00am - 12:40pm	Seats (Total: 40) CHE 2108	

CHBE456 **Combustion and Reacting Flow**

Credits: 3 Grading Method: Regular

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.

This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbon fuels in both a phenomenological and mechanistic approach. The course covers the specifics of premixed and nonpremixed flame systems, as well as ignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissions minimization will be covered in detail. Finally, the course will cover available combustion diagnostic methods and their application in laboratory and real-world systems.

0101	Michael Zachariah	Seats (Total: 18)
	TuTh 9:30am - 10:45am	JMP 2216

CHBE468 **Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

Contact department for information to register for this course.

CHBE473 **Electrochemical Energy Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468K or CHBE473. Formerly: ENCH468K.

The lecture will start from the basic electrochemical thermodynamics and kinetics, with emphasis on electrochemical techniques, fundamental principle and performance of batteries, and supercapacitors.

0101	Chunsheng Wang	Seats (Total: 40)
	MW 11:45am - 1:00pm	JMP 2121

CHBE476 **Molecular Modeling Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468P or CHBE476. Formerly: ENCH468P.

Statistical mechanics will be introduced to give the fundamental background for atomic to mesoscale molecular modeling. Classical atomic-level simulations methods (Monte Carlo and Molecular Dynamics) and the procedures to develop intra- and intermolecular potentials will be covered. This course will also discuss the theory and application of coarse-grained molecular simulations, mesoscale simulations and other modern simulation techniques. A broad range of applications will be included throughout the semester, e.g., phase behavior of small molecules, kinetics, and biophysics.

0101	Jeffery Klauda	Seats (Total: 33)
	TuTh 12:30pm - 1:45pm	EGR 1104

CHBE480 **Bionanotechnology: Physical Principles**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BIOE120 or BSCI105. And BCHM461; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.

Physics at nano/micro scales. Biomolecular building blocks. Simplest biomolecular assembly: protein folding. Nanoscale intermolecular interactions important for biology. Protein-ligand binding. Protein higher-order assembly: filaments, networks. Protein filaments and motility. DNA, RNA and their assembly assisted by proteins. Viral capsid assembly. Lipid assembly into micelles, bilayers. Lipid-protein co-assembly in membranes. Lipid and polymer structures useful in medicine. Targeted delivery of drugs, genes by nano/micro structures. Cellular assembly in the eye, in insect wings. Cellular assembly at surfaces: gecko feet, duck feathers. Cellular assembly in the presence of crystals: biomineralization.

0101	Srinivasa Raghavan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2110

CHBE490 **Polymer Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: ENMA495. Credit only granted for: CHBE490, ENCH490, or ENMA495. Formerly: ENCH490.

The elements of the polymer chemistry and industrial polymerization, polymer structures and physics, thermodynamics of polymer solutions, polymer processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi	Seats (Total: 40)
	TuTh 9:30am - 10:45am	PHY 1204

CHEM Chemistry Spring 2015

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with CHEM132)

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1115	Frederick Khachik TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0122	Discussion
1116	Frederick Khachik TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0122	Discussion
1118	Frederick Khachik TuTh 8:00am - 9:15am M 3:00pm - 3:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1135	Frederick Khachik TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1136	Frederick Khachik TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1138	Frederick Khachik TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1214	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 33) CHM 1407 CHM 0128	Discussion

1215	Instructor: TBA TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1218	Instructor: TBA TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1234	Instructor: TBA TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1235	Instructor: TBA TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1238	Instructor: TBA TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1314	Alice Mignerey TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1315	Alice Mignerey TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1317	Alice Mignerey TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0127	Discussion
1334	Alice Mignerey TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 33) CHM 1407 CHM 0122	Discussion
1335	Alice Mignerey TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0122	Discussion

1337	Alice Mignerey TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0122	 Discussion
SES1	Michelle Brooks M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 35) PLS 1115 CHM 0127	 Discussion

CHEM132 **General Chemistry I Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail

Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1121	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	 Lab
1122	Lenea Stocker M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	 Lab
1131	Lenea Stocker M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1132	Lenea Stocker M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	 Lab
1212	Lenea Stocker Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1106	 Lab

1221	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1222	Lenea Stocker Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1106	Lab
1231	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1232	Lenea Stocker Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1241	Lenea Stocker Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1105	Lab
1312	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 24) CHM 1106	Lab
1321	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1331	Lenea Stocker W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1332	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1341	Lenea Stocker W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	Lab
1411	Instructor: TBA Th 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1421	Lenea Stocker Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1422	Lenea Stocker Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1106	Lab
1431	Lenea Stocker Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab

1432	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1511	Instructor: TBA F 8:00am - 10:50am	Seats (Total: 24) CHM 1106	Lab
1521	Lenea Stocker F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1522	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	Lab
1531	Lenea Stocker F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
SES1	Lenea Stocker W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1106	Lab

CHEM135 **General Chemistry for Engineers**

Credits: 3 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.

The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Monique Koppel MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion
3127	Monique Koppel MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion

3128	Monique Koppel MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion
3145	Monique Koppel MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion
3147	Monique Koppel MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion
3148	Monique Koppel MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 27) CHM 1407 CHM 0124	Discussion
3224	Cheng Lee MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 27) BRB 1101 CHM 0127	Discussion
3227	Cheng Lee MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 CHM 0127	Discussion
3228	Cheng Lee MWF 8:00am - 8:50am Tu 3:30pm - 4:20pm	Seats (Total: 27) BRB 1101 CHM 0127	Discussion
3244	Cheng Lee MWF 8:00am - 8:50am Th 11:00am - 11:50am	Seats (Total: 27) BRB 1101 CHM 0127	Discussion
3247	Cheng Lee MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 CHM 0127	Discussion
3248	Cheng Lee MWF 8:00am - 8:50am Th 3:30pm - 4:20pm	Seats (Total: 27) BRB 1101 CHM 0127	Discussion

CHEM136 General Chemistry Laboratory for Engineers

Credits: 1 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CHEM135. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

A laboratory course for engineering majors intending to take CHEM231 and CHEM232.

Students must pay a $40.00 lab materials fee.

3131	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
3231	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab

CHEM231 **Organic Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5116	Joseph Houck TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 2201	Discussion
5117	Joseph Houck TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 2201	Discussion
5118	Joseph Houck TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 36) CHM 1407 CHM 2201	Discussion
5136	Joseph Houck TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 2201	Discussion

5137	Joseph Houck TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 2201	 Discussion
5138	Joseph Houck TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 36) CHM 1407 CHM 2201	 Discussion
5221	Monique Koppel MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5222	Monique Koppel MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5225	Monique Koppel MWF 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5241	Monique Koppel MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5242	Monique Koppel MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5245	Monique Koppel MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0119	 Discussion
5322	Lee Friedman MWF 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0128	 Discussion
5325	Lee Friedman MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 1224	 Discussion

5328	Lee Friedman MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5342	Lee Friedman MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0122	Discussion
5345	Lee Friedman MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5348	Lee Friedman MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5421	Lenea Stocker MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 36) CHM 1407 CHM 2201	Discussion
5427	Lenea Stocker MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0115	Discussion
5428	Lenea Stocker MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0115	Discussion
5441	Lenea Stocker MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 36) CHM 1407 CHM 2201	Discussion
5447	Lenea Stocker MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0115	Discussion
5448	Lenea Stocker MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0115	Discussion

SES1	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 0124	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 0128	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232 **Organic Chemistry Laboratory I**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.

Students must pay a $40.00 lab materials fee.

5123	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	 Lab
5124	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5125	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	 Lab
5131	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	 Lab

5132	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5134	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5135	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5141	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5142	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5144	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5145	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 14) CHM 1360	Lab
5221	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5222	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5223	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5224	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5225	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5231	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
5232	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab

5233	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5234	Instructor: TBA Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5241	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab
5244	Frederick Khachik Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab
5312	Frederick Khachik W 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5322	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5323	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5324	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5325	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5331	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
5332	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5333	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5341	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab

5411	Frederick Khachik Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
5421	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5422	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5423	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5424	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5432	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5433	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5434	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5435	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5523	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
SES1	Frederick Khachik W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1346	Lab

SES2	Frederick Khachik W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1342	Lab

This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.

CHEM232S **Organic Chemistry Laboratory I**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.

Students must pay a $40.00 laboratory materials fee.

5133	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5321	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab

CHEM237 **Principles of Organic Chemistry I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, or CHEM147); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: CHEM233, (CHEM231 and CHEM232), or CHEM237.

The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy.

Students must pay a $40.00 lab materials fee.

5411	Jeffery Davis	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	W 3:00pm - 5:50pm	CHM 1360	Lab
	Tu 12:30pm - 1:20pm	CHM 1228	Discussion
5421	Jeffery Davis	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	Th 12:30pm - 3:20pm	CHM 1360	Lab
	Tu 12:30pm - 1:20pm	CHM 1228	Discussion
5431	Jeffery Davis	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	Tu 3:30pm - 6:20pm	CHM 1360	Lab
	Tu 2:00pm - 2:50pm	CHM 1228	Discussion
5441	Jeffery Davis	Seats (Total: 18)	
	MWF 10:00am - 10:50am	CHM 1402	
	Tu 6:30pm - 9:20pm	CHM 1360	Lab
	Tu 2:00pm - 2:50pm	CHM 1228	Discussion

CHEM241 **Organic Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.

A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6121	Instructor: TBA	Seats (Total: 30)	
	MWF 8:00am - 8:50am	CHM 1407	
	Tu 8:00am - 8:50am	CHM 0115	Discussion
6125	Instructor: TBA	Seats (Total: 30)	
	MWF 8:00am - 8:50am	CHM 1407	
	Tu 12:30pm - 1:20pm	CHM 0128	Discussion
6127	Instructor: TBA	Seats (Total: 30)	
	MWF 8:00am - 8:50am	CHM 1407	
	Tu 2:00pm - 2:50pm	CHM 0128	Discussion

6141	Instructor: TBA MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0115	Discussion
6145	Instructor: TBA MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 2201	Discussion
6147	Instructor: TBA MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 CHM 0128	Discussion
6222	Instructor: TBA MW 4:00pm - 5:15pm Tu 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0127	Discussion
6225	Instructor: TBA MW 4:00pm - 5:15pm Tu 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 2201	Discussion
6227	Instructor: TBA MW 4:00pm - 5:15pm Tu 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 CHM 0119	Discussion
6242	Instructor: TBA MW 4:00pm - 5:15pm Th 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0127	Discussion
6245	Instructor: TBA MW 4:00pm - 5:15pm Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 1228	Discussion
6247	Instructor: TBA MW 4:00pm - 5:15pm Th 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 CHM 1228	Discussion
6321	Instructor: TBA MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion

6322	Instructor: TBA MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
6325	Instructor: TBA MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 BPS 1228	Discussion
6341	Instructor: TBA MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0128	Discussion
6342	Instructor: TBA MWF 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0128	Discussion
6345	Instructor: TBA MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
SES1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) PLS 1140 CHM 2201	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 15) PLS 1140 CHM 0119	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM242 Organic Chemistry Laboratory II

Credits: 1 Grading Method: Regular

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.

Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.

Students must pay a $40.00 lab materials fee.

6121	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6131	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6132	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6142	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1308	Lab
6211	Lee Friedman Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6222	Instructor: TBA Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6231	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6232	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6233	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1308	Lab

6311	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6322	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6323	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6331	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6332	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6333	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6341	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Instructor: TBA Th 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6421	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6422	Instructor: TBA Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6432	Instructor: TBA Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6433	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab

SES1	Lee Friedman W 7:30pm - 10:20pm	Seats (Total: 14) CHM 1308	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	Lee Friedman W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1326	Lab
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click herefor comp lete program details including program eligibility information, tuition fee information and registration instructions.		

CHEM271 **General Chemistry and Energetics**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.

An introduction to the physical aspects of chemistry; chemical kinetics thermodynamics and electrochemistry in the context of current chemistry research.

2122	John Ondov MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2124	John Ondov MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2125	John Ondov MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2142	John Ondov MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion

2144	John Ondov MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2145	John Ondov MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2224	Instructor: TBA MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
2227	Instructor: TBA MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
2228	Instructor: TBA MW 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
2244	Instructor: TBA MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
2247	Instructor: TBA MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
2248	Instructor: TBA MW 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
SES1	Daniel Gowetski M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 24) CHM 1228 CHM 1228	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM272 General Bioanalytical Chemistry Laboratory

Credits: 2

Grading Method: Regular, Pass-Fail

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.

An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

Students must pay a $40.00 laboratory materials fee.

7121	Joseph Houck F 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7131	Joseph Houck F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7331	Joseph Houck F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7332	Joseph Houck F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7421	Joseph Houck F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7422	Joseph Houck F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7521	Joseph Houck F 9:00am - 9:50am F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7531	Joseph Houck F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab

8121	Instructor: TBA F 12:00pm - 12:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8132	Joseph Houck F 12:00pm - 12:50pm M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8142	Instructor: TBA F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8212	Joseph Houck F 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8221	Joseph Houck F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8222	Joseph Houck F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8231	Joseph Houck F 12:00pm - 12:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8241	Joseph Houck F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8242	Instructor: TBA F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8321	Instructor: TBA F 12:00pm - 12:50pm W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab

8431	Joseph Houck F 12:00pm - 12:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
SES1	Joseph Houck M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1228 CHM 1128	 Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM276 **General Chemistry and Energetics - Majors**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM277. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM153.

An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

0224	John Fourkas WF 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 39) EGR 1104 CHM 0128	 Discussion

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277.

Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

Students must pay a $40.00 laboratory materials fee.

0223	Joseph Houck M 9:00am - 9:50am TuTh 3:30pm - 6:20pm	Seats (Total: 24) CHE 2118 CHM 1128	 Lab

0232	Joseph Houck	Seats (Total: 24)	
	M 9:00am - 9:50am WF 12:00pm - 2:50pm	CHE 2118 CHM 1128	Lab

CHEM395 **Professional Issues in Chemistry and Biochemistry**

Credits: 1 Grading Method: Sat-Fail

Restriction: Junior standing or higher; and must be in one of the following programs (Chemistry; Biochemistry).

Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

0101	Janice Reutt-Robey	Seats (Total: 113)	
	Tu 11:00am - 11:50am	CHM 1402	

CHEM398 **Special Projects**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Honors projects for undergraduate students.

Limited to chemistry honors students. Consult with Dr. Montague-Smith.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequsite: permission of department.

0101	Michael Montague-Smith	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM401 **Inorganic Chemistry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241 and CHEM242; or CHEM247; or must have completed CHEM243.

An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

0101	Efrain Rodriguez	Seats (Total: 100)
	MWF 2:00pm - 2:50pm	CHM 1402

CHEM425 **Instrumental Methods of Analysis**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277).

Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry.

Students must pay a $40.00 lab materials fee.

0101	Sangbok Lee	Seats (Total: 12)	
	MW 11:00am - 11:50am	PLS 1140	
	MW 1:00pm - 4:00pm	CHM 3228	Lab

0102	Sangbok Lee MW 11:00am - 11:50am TuTh 12:30pm - 3:20pm	Seats (Total: 12) PLS 1140 CHM 3205	 Lab
0104	Sangbok Lee MW 11:00am - 11:50am TuTh 9:30am - 12:20pm	Seats (Total: 12) PLS 1140 CHM 3205	 Lab
0105	Sangbok Lee MW 11:00am - 11:50am MW 6:00pm - 9:00pm	Seats (Total: 12) PLS 1140 CHM 3205	 Lab
0109	Sangbok Lee MW 11:00am - 11:50am TuTh 6:00pm - 9:00pm	Seats (Total: 12) PLS 1140 CHM 3205	 Lab

CHEM433 **Atmospheric Chemistry and Climate**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Chemistry & Biochemistry department. Also offered as: AOSC433. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: CHEM434.

The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels.

0101	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 22) CSS 2416	

CHEM474 **Environmental Chemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM481.

The sources of various elements and chemical reactions between them in the atmosphere and hydrosphere are treated. Causes and biological effects of air and water pollution by certain elements are discussed.

0101	John Ondov	Seats (Total: 20)
	MWF 3:00pm - 3:50pm	CHM 1228

CHEM481 **Physical Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM272 and CHEM271; or minimum grade of C- in CHEM276 and CHEM277. And (PHYS142 and MATH141).

A course primarily for chemists and chemical engineers.

0101	YuHuang Wang	Seats (Total: 60)
	MWF 9:00am - 9:50am	CHM 2201

CHEM482 **Physical Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM481.

A course primarily for chemists and chemical engineers.

0101	Zhihong Nie	Seats (Total: 90)
	MWF 9:00am - 9:50am	CHM 1402

CHEM483 **Physical Chemistry Laboratory I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in CHEM481.

An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481.

Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone F 3:00pm - 3:50pm M 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0102	Earle Stone F 3:00pm - 3:50pm Tu 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0103	Instructor: TBA F 3:00pm - 3:50pm W 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0104	Earle Stone F 3:00pm - 3:50pm Th 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab

CHEM484 **Physical Chemistry Laboratory II**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM481 and CHEM483; and must have completed or be concurrently enrolled in CHEM482.

A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482.

Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone F 11:00am - 11:50am Tu 2:30pm - 5:20pm	Seats (Total: 12) CHM 1224 CHM 3217	 Lab
0102	Earle Stone F 11:00am - 11:50am W 3:00pm - 5:50pm	Seats (Total: 12) CHM 1224 CHM 3217	 Lab
0103	Earle Stone F 11:00am - 11:50am Th 2:30pm - 5:20pm	Seats (Total: 12) CHM 1224 CHM 3217	 Lab

CHEM498B **Special Topics in Chemistry; Chemistry of the Elements**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Andrei Vedernikov TuTh 8:00am - 9:15am	Seats (Total: 10) CHM 1228

CHEM498E **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Frederick Khachik, Ben Woodard, Martha Connolly W 2:00pm - 4:45pm	Seats (Total: 30) ITV 1111

CHEM602 **Advanced Inorganic Chemistry II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHEM601; or permission of instructor.

A continuation of CHEM 601 with emphasis on the application of contemporary spectroscopic techniques to inorganic problems.

0101	Bryan Eichhorn TuTh 9:30am - 10:45am	Seats (Total: 15) CHE 2116

CHEM608P **Selected Topics in Inorganic Chemistry; Polymer Chemistry**

Credits: 3 Grading Method: Regular, Audit

Topics of special interest and current importance.

0101	Lawrence Sita MWF 1:00pm - 1:50pm	Seats (Total: 20) CHM 1228

CHEM623 **Optical Methods of Quantitative Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.

The quantitative applications of various methods of optical spectroscopy.

0101	Neil Blough	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	CHM 1228

CHEM647 **Organic Synthesis**

Credits: 3 Grading Method: Regular, Audit

The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

0101	Herman Sintim	Seats (Total: 20)
	MWF 9:00am - 9:50am	CHM 1228

CHEM648E **Special Topics in Organic Chemistry; Ethics in Scientific Research**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Topics of special interest and current importance.

Prerequisite: Completion of one year of graduate study and permission of instructor. Also offered as BIOL600, NACS600, and PSYC788B. Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

0101	Robert Dooling, Philip DeShong	Seats (Total: 20)
	W 3:00pm - 5:00pm	BPS 1208

CHEM650 **Problems in Organic Synthesis**

Credits: 1 Grading Method: Regular, Audit

A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

0101	Jeffery Davis	Seats (Total: 40)
	F 12:00pm - 12:50pm	CHM 2201

CHEM687 **Statistical Mechanics and Chemistry**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: CHEM684; or students who have taken courses with comparable content may contact the department.

0101	John Weeks	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHM 1228

CHEM688M **Selected Topics in Physical Chemistry; Instrument Interfacing with LABVIEW**

Credits: 2

Grading Method: Regular, Audit

0101	Amy Mullin	Seats (Total: 20)
	Meets February 9, 2015 - April 27, 2015	
	MWF 10:00am - 10:50am	CHM 3222

CHEM691 **Quantum Chemistry II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: CHEM690 or PHYS622.

0101	Millard Alexander	Seats (Total: 22)
	TuTh 11:00am - 12:15pm	CHM 1228

CHEM699 **Special Problems in Chemistry**

Credits: 1-6

Grading Method: Regular, Audit

Laboratory experience in a research environment.

Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM705 **Nuclear Chemistry**

Credits: 3

Grading Method: Regular, Audit

Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

0101	Alice Mignerey MW 4:00pm - 5:15pm	Seats (Total: 15) CHM 1228

CHEM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

Credits: 1 Grading Method: Regular, Audit

0101	Alice Mignerey F 3:00pm - 5:00pm	Seats (Total: 25) CHM 1224

CHEM889C **Seminar; Inorganic Chemistry**

Credits: 1 Grading Method: Regular, Audit

0101	Herman Sintim Th 11:00am - 11:50am	Seats (Total: 15) Location: TBA

CHEM889D **Seminar; Organic Chemistry**

Credits: 1 Grading Method: Regular, Audit

0101	Herman Sintim Th 11:00am - 11:50am	Seats (Total: 25) Location: TBA

CHEM889E **Seminar; Physical Chemistry**

Credits: 1 Grading Method: Regular, Audit

Also offered as CHEM889F and CHPH709A.

0101	Instructor: TBA W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHEM889F **Seminar; Chemical Physics**

Credits: 1 Grading Method: Regular, Audit

Also offered as CHEM889E and CHPH709A.

0101	Instructor: TBA	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889G **Seminar; Physical Organic Chemistry**

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

Credits: 1 Grading Method: Regular, Audit

Contact department for information to register for this course.

CHEM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

CHIN Chinese Spring 2015

CHIN102 **Elementary Spoken Chinese**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0101	Yuli Wang	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3205

0201	Yuli Wang MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 3205

CHIN103 **Elementary Written Chinese**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

0101	Jungjung Lee-Heitz TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1117
0201	Jungjung Lee-Heitz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3203 JMZ 1117

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN102; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

Contact department for information to register for this course.

CHIN202 **Intermediate Written Chinese I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: CHIN103; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Reading and writing skills with emphasis on grammar and Chinese characters.

Contact department for information to register for this course.

CHIN203 **Intermediate Spoken Chinese II**

(Perm req)

Credits: 3 | Grading Method: Regular | CORE: HO

Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continuation of CHIN201.

0101	Mei Kong MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 0103
0201	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0103

CHIN204 **Intermediate Written Chinese II**

(Perm req)

Credits: 3 | Grading Method: Regular | CORE: HO

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continuation of CHIN202.

0101	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1117
0201	Jungjung Lee-Heitz Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1122 JMZ 2117

CHIN205 **Intermediate Chinese - Accelerated Track**

(Perm req) Credits: 3 Grading Method: Regular CORE: HO General Education: DSHU

Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN201, CHIN203, CHIN202, or CHIN204.

Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

0101	Guiling Hu	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3122

CHIN214 **Introduction to Chinese Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Introduction to Chinese literature in its historical context. Readings include different genres of Chinese literatures such as Confucius, Du Fu and Lu Xun, medical texts, sutras, maps, gazettes. Taught in English.

0101	Andrew Schonebaum	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2206

CHIN269C **Special Topics in Study Abroad II; Modern Chinese Culture and Society I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269D **Special Topics in Study Abroad II; Chinese Conversation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese**

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269K **Special Topics in Study Abroad II; Intermediate Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269V **Special Topics in Study Abroad II; Chinese Calligraphy I**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269Z **Special Topics in Study Abroad II; Modern Chinese Culture and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Readings in expository and fictional writing with conversation and composition.

Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN301; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Continuation of CHIN301.

0101	Yuli Wang	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3205

CHIN306 **Life in China through TV Plays II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN305; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

0101	Mei Kong	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 1117

CHIN307 **Linguistic Landscape of China**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: Must have completed CHIN204 or above; or permission of Chinese Program Advisor.

Comprehensive introduction to Chinese and other major languages in the Sino-Tibetan, Altaic, Austroasiatic, and Austronesian families, all of which are spoken in China. Taught in English.

0101	Minglang Zhou	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2123

CHIN332 **Chinese Culture through Traditional Chinese Arts**

Credits: 3 Grading Method: Regular, Pass-Fail

Hands-on experience in calligraphy, music, painting, and Tai Chi coupled with critical reading of scholarly and literary texts. Facilitates an understanding of China and Chinese culture through traditional Chinese arts. Taught in English.

0101	Yuli Wang	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	JMZ 0205

CHIN369A **Special Topics in Study Abroad III; China Practicum and Connecting Across Cultures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369F **Special Topics in Study Abroad III; Advanced Chinese V**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369G **Special Topics in Study Abroad III; Advanced Chinese VI**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369I **Special Topics in Study Abroad III; Advanced Chinese VII**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369J **Special Topics in Study Abroad III; Advanced Chinese VIII**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369M **Special Topics in Study Abroad III; Modern Chinese Culture II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN302; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

Contact department for information to register for this course.

CHIN402 **Readings in Modern Chinese II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN401; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Continuation of CHIN401.

0101	Guiling Hu MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 3122
0201	Guiling Hu MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3203

CHIN412 **Business Chinese II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors.

Continuation of CHIN411.

0101	Mei Kong MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 3205

CHIN418L **Special Topics in Contemporary Chinese Fiction and Film; Recently Awarded Literature and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Various approaches to the most recent textual productions of China and Taiwan. Taught in Chinese.

Taught in Chinese.

0101	Guiling Hu	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 3203

CHIN429C **Selected Topics in Chinese Studies; Short Classic Fictions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of a particular aspect of Chinese cultural, linguistic, literary studies. Specific topic to be announced when course is offered. Taught in English.

Taught in English.

0101	Andrew Schonebaum	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2207

CHIN499 **Directed Study in Chinese**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Readings in Chinese under faculty supervision.

Contact department for information to register for this course.

CHIN499A **Directed Study in Chinese; Advanced Chinese V**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Readings in Chinese under faculty supervision.

Contact department for information to register for this course.

CHIN499C **Directed Study in Chinese; Advanced Chinese VI**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Readings in Chinese under faculty supervision.

Contact department for information to register for this course.

CHPH618 **Special Projects in Chemical Physics**

Credits: 2 Grading Method: Regular, Audit

Independent reading and study covering chemical physics subject areas not available in other courses.

0101	Eun-Suk Seo	Seats (Total: 10)
	Contact instructor or department for details.	

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

Also offered as CHEM 889E and CHEM 889F.

0101	Instructor: TBA	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

Also offered as PHYS709.

0101	Michelle Girvan	Seats (Total: 30)
	Tu 1:15pm - 2:30pm	IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

Also offered as PHYS798L.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

Credits: 2

Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

Also offered as PHYS838A.

0101	Theodore Einstein, William Cullen M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 0405 PHY 1204

CHPH718F **Special Topics in Chemical Physics; Methods of Statistical Physics**

Credits: 3

Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 49) PHY 1201

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

Contact department for information to register for this course.

CHPH718Z **Special Topics in Chemical Physics; Biosensor Techniques**

Credits: 3

Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

Also offered as BIOE631. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 20) CHM 1228

BI01	Ian White	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

CHPH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

CLAS Classics Spring 2015

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

An introduction to the mythology of ancient Greece and Rome. This cours is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Gregory Staley	Seats (Total: 24)	
	MW 10:00am - 10:50am	MMH 1400	
	Th 9:30am - 10:20am	MTH 0104	Discussion

0102	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion
0103	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0409	Discussion
0104	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion
0105	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 MTH 0304	Discussion
0201	Gregory Staley MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0201	Discussion
0202	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 MTH 0201	Discussion
0203	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0409	Discussion
0204	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion
0205	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 MTH 0106	Discussion
0206	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 MTH 0409	Discussion

0207	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 MTH 0401	Discussion

CLAS171 **Classical Myths in Europe**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

The role which Classical Myths have played in the arts, architecture an politics of a major European city. This will only be offered through the study abroad program.

France

Contact department for information to register for this course.

CLAS269R **Special Topics in Study Abroad II; Italy: Are We Rome?**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CLAS289A **Are We Rome?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, DSHU, SCIS

0101	Eric Adler MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 BPS 1232	Discussion
0102	Eric Adler MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 BPS 1234	Discussion
0103	Eric Adler MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 BPS 1234	Discussion

CLAS305 **Archaeological Methods and Practice**

Credits: 3 Grading Method: Regular

Prerequisite: ANTH240, ARTH200, or CLAS180. Also offered as: ANTH305, ARTH305. Credit only granted for: ANTH305, ARTH305, or CLAS305.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht	Seats (Total: 35)
	MW 12:00pm - 1:15pm	SKN 1115

CLAS309C **Special Topics in Classical Literature; Classical Myth in Modern Greek Cinema and Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Readings in translation.

0101	Mary Pittas-Herschbach	Seats (Total: 35)
	Tu 5:00pm - 7:40pm	KEY 0126

CLAS470 **Approaches to Greek Mythology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: CLAS170; or permission of ARHU-Classics department.

Ancient and modern approaches to understanding Greek myth as expression of human experience, including interpretations drawn from psychology, anthropology, and comparative mythology.

0101	Instructor: TBA	Seats (Total: 35)
	TuTh 9:30am - 10:45am	LEF 1201

CLAS499 **Independent Study in Classical Languages and Literatures**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLAS499P **Independent Study in Classical Languages and Literatures; Classical Myth in Europe**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLFS001 **Life Science Assessment Test**

Credits: 0 Grading Method: Regular, Pass-Fail, Audit

Restricted to students in the CLFS program.

Click here for more information.

Contact department for information to register for this course.

CLFS520 **Concepts of Modern Chemistry**

Credits: 3 Grading Method: Regular

Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

Restricted to students in the CLFS program.

Click here for more information.

PL01	Michelle Brooks	Seats (Total: 15)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS619D **Special Topics in Chemistry; Forensic Chemistry**

Credits: 3 Grading Method: Regular, Audit

Topics of current interest and special importance.

Restricted to students in the CLFS program.

PL01	Michelle Brooks	Seats (Total: 24)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

Credits: 3 Grading Method: Regular, Audit

An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

Restricted to students in the CLFS program.

Click here for more information.

PL01	Paul Bottino	Seats (Total: 21)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: LFSC609C or LFSC665. Formerly: LFSC609C.

Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Marcia Shofner	Seats (Total: 22)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to CLFS Major.	

CLFS690 **Biochemistry**

Credits: 3 Grading Method: Regular, Audit

An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions.

Restricted to students in the CLFS program.

Click here for more information.

PL01	David Jollie	Seats (Total: 24)
	Meets March 2, 2015 - May 22, 2015	
	Contact instructor or department for details.	

CMLT Comparative Literature Spring 2015

CMLT235 **Black Diaspora Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL, D General Education: DSHU, DVUP

Credit only granted for: CMLT235 or ENGL235.

Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

0101	Abbey Morgan	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	HBK 0108

CMLT242 **Introduction to Jewish Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: JWST272. Credit only granted for: HEBR231, JWST272, or CMLT242. Formerly: HEBR231.

A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Adi Mahalel TuTh 3:30pm - 4:45pm	Seats (Total: 40) SQH 2117

CMLT270 Global Literature and Social Change

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Nataliya Pratsovyta MWF 12:00pm - 12:50pm	Seats (Total: 30) SQH 1105
0201	Ines Rivera TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0109
0301	Andrea Knowles TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 1112

CMLT275 World Literature by Women

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.

Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Elise Auvil TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 1112
0201	Niloufar Etemad Sarabi MWF 10:00am - 10:50am	Seats (Total: 30) PLS 1111

CMLT277 Literatures of the Americas

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Comparative study of several North, South, and Central American culture with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

0101	Michael Colson TuTh 9:30am - 10:45am	Seats (Total: 30) HBK 1108

CMLT280 **Film Art in a Global Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU, DVUP

Comparative study of a variety of film traditions from around the world including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Lauren Albright TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1117
0201	Paul Cote MWF 1:00pm - 1:50pm	Seats (Total: 30) ASY 3215

CMLT386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-English department.

Contact department for information to register for this course.

CMLT398C **Special Topics in Comparative Studies; Cinema of Liberation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics in comparitive studies.

Also offered as ENGL329A. Repeatable to 9 credits if content differs.

0101	Eugene Robinson TuTh 12:30pm - 1:45pm Tu 3:30pm - 6:00pm	Seats (Total: 30) TWS 1107 TWS 1107	 Lab

0201	Eugene Robinson	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TWS 1107	
	Tu 3:30pm - 6:00pm	TWS 1107	Lab

CMLT398D **Special Topics in Comparative Studies; The Jazz Paradigm**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in comparitive studies.

Also offered as ENGL379R. Prerequisite: two lower-level English courses.

0101	Eugene Robinson	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 0236

CMLT699 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member.

Contact department for information to register for this course.

CMLT788L **Practicum in Comparative Studies; Orientations in Film Theory: Feminist Film and Media Theory**

Credits: 1 Grading Method: Sat-Fail

Practical professional training for individuals and groups of students in supervised settings.

Also offered as SLLC698L. Credit granted for SLLC698L or CMLT788L.

0101	Hester Baer	Seats (Total: 10)
	Meets February 6, 2015 - April 17, 2015	
	F 2:00pm - 4:00pm	HBK 0302H

CMLT799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

CMSC Computer Science Spring 2015

CMSC122 **Introduction to Computer Programming via the Web**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSSP

Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N.

Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 75) CSI 3117	
0201	Pedram Sadeghian MWF 1:00pm - 1:50pm	Seats (Total: 75) CSI 3117	
0301	Pedram Sadeghian MWF 2:00pm - 2:50pm	Seats (Total: 75) CSI 3117	

CMSC131 **Object-Oriented Programming I**

(Perm req)

Credits: 4 Grading Method: Regular

Corequisite: MATH140; and permission of CMNS-Computer Science department.

Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

0101	Evan Golub MWF 12:00pm - 12:50pm MW 8:00am - 8:50am	Seats (Total: 36) CSI 1115 CSI 2120	 Discussion

0102	Evan Golub MWF 12:00pm - 12:50pm MW 9:00am - 9:50am	Seats (Total: 36) CSI 1115 CSI 2120	 Discussion
0103	Evan Golub MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0104	Instructor: TBA MWF 12:00pm - 12:50pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0201	Thomas Reinhardt MWF 11:00am - 11:50am MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 2118	 Discussion
0202	Thomas Reinhardt MWF 11:00am - 11:50am MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 2118	 Discussion
0203	Thomas Reinhardt MWF 11:00am - 11:50am MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 2120	 Discussion
0301	Evan Golub MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0302	Evan Golub MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 36) CSI 1115 CSI 2117	 Discussion
0303	Evan Golub MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0304	Evan Golub MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion

0401	Instructor: TBA MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0402	Evan Golub MWF 2:00pm - 2:50pm MW 1:00pm - 1:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0403	Evan Golub MWF 2:00pm - 2:50pm MW 11:00am - 11:50am	Seats (Total: 36) CSI 1115 CSI 2120	Discussion
0404	Evan Golub MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 36) CSI 1115 CSI 2120	Discussion

CMSC132 **Object-Oriented Programming II**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.

Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Thomas Reinhardt MWF 3:00pm - 3:50pm MW 11:00am - 11:50am	Seats (Total: 34) CSI 1115 CSI 1122	Discussion
0102	Instructor: TBA MWF 3:00pm - 3:50pm MW 11:00am - 11:50am	Seats (Total: 34) CSI 1115 CSI 2107	Discussion
0103	Instructor: TBA MWF 3:00pm - 3:50pm MW 12:00pm - 12:50pm	Seats (Total: 34) CSI 1115 CSI 2107	Discussion

0104	Instructor: TBA MWF 3:00pm - 3:50pm MW 1:00pm - 1:50pm	Seats (Total: 34) CSI 1115 CSI 2107	Discussion
0201	Instructor: TBA MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 37) CSI 1115 CSI 1122	Discussion
0202	Instructor: TBA MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 37) CSI 1115 CSI 1122	Discussion
0203	Laurence Herman MWF 11:00am - 11:50am MW 2:00pm - 2:50pm	Seats (Total: 37) CSI 1115 CSI 3120	Discussion
0301	Laurence Herman MWF 12:00pm - 12:50pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 2107	Discussion
0302	Instructor: TBA MWF 12:00pm - 12:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 2107	Discussion
0303	Instructor: TBA MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 2117 CSI 2107	Discussion
0401	Laurence Herman MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 1122	Discussion
0402	Instructor: TBA MWF 2:00pm - 2:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 1122	Discussion
0403	Instructor: TBA MWF 2:00pm - 2:50pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 2117 CSI 1122	Discussion

CMSC132H Object-Oriented Programming II

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.

Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Thomas Reinhardt	Seats (Total: 27)	
	MWF 10:00am - 10:50am	CSI 1121	
	MW 11:00am - 11:50am	CSI 1121	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

(Perm req)

Credits: 1-4 Grading Method: Regular

A course designed to allow non-computer science majors and non-computer engineering majors to pursue a specialized topic or project.

Contact department for information to register for this course.

CMSC216 **Introduction to Computer Systems**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.

Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Nelson Padua-Perez	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	CSI 1115	
	MW 8:00am - 8:50am	CSI 3118	Discussion
0102	Nelson Padua-Perez	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	CSI 1115	
	MW 9:00am - 9:50am	CSI 3118	Discussion

0103	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0104	Instructor: TBA TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 27) CSI 1115 CSI 3117	Discussion
0201	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0202	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0203	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 27) CSI 1115 CSI 2120	Discussion
0204	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 4:00pm - 4:50pm	Seats (Total: 27) CSI 1115 CSI 2120	Discussion
0301	Nelson Padua-Perez TuTh 3:30pm - 4:45pm MW 1:00pm - 1:50pm	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0302	Nelson Padua-Perez TuTh 3:30pm - 4:45pm MW 2:00pm - 2:50pm	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0303	Nelson Padua-Perez TuTh 3:30pm - 4:45pm MW 3:00pm - 3:50pm	Seats (Total: 27) CSI 1115 CSI 3118	Discussion
0304	Nelson Padua-Perez TuTh 3:30pm - 4:45pm MW 4:00pm - 4:50pm	Seats (Total: 27) CSI 1115 CSI 3118	Discussion

CMSC250 Discrete Structures

(Perm req) Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.

Fundamental mathematical concepts related to computer science, includin finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0102	Instructor: TBA TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0103	Instructor: TBA TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0104	Instructor: TBA TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0201	Instructor: TBA TuTh 3:30pm - 4:45pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 3120	 Discussion
0202	Instructor: TBA TuTh 3:30pm - 4:45pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 3120	 Discussion
0203	Instructor: TBA TuTh 3:30pm - 4:45pm MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 2117 CSI 3117	 Discussion
0301	Instructor: TBA TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 30) CSI 1115 CSI 3117	 Discussion

0302	Instructor: TBA TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 30) CSI 1115 CSI 3117	Discussion
0303	Instructor: TBA TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 1115 CSI 3117	Discussion
0304	Instructor: TBA TuTh 12:30pm - 1:45pm MW 4:00pm - 4:50pm	Seats (Total: 30) CSI 1115 CSI 3117	Discussion

CMSC250H **Discrete Structures**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.

Fundamental mathematical concepts related to computer science, includin finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	William Gasarch TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 25) CSI 3120 CSI 1121	Discussion

CMSC298A **Special Topics in Computer Science**

(Perm req)

Credits: 1-4 Grading Method: Sat-Fail

A course designed to allow a lower level student to pursue a specialize topic or project.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.

The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Michael Hicks TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 32) CSS 2324 CSI 2118	Discussion
0102	Instructor: TBA TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 32) CSS 2324 CSI 2118	Discussion
0103	Instructor: TBA TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 32) CSS 2324 CSI 2118	Discussion
0104	Michael Hicks TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 32) CSS 2324 CSI 2120	Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 29) CSI 3117 CSI 3118	Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 29) CSI 3117 CSI 3118	Discussion
0203	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) CSI 3117 CSI 3118	Discussion
0301	Instructor: TBA TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 32) CSS 2324 CSI 3118	Discussion
0302	Instructor: TBA TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 32) CSS 2324 CSI 3118	Discussion

0303	Instructor: TBA TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 32) CSS 2324 CSI 3118	Discussion
0304	Instructor: TBA TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 32) CSS 2324 CSI 2118	Discussion

CMSC351 **Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.

A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal MWF 9:00am - 9:50am	Seats (Total: 110) CSI 1115	
0201	Clyde Kruskal MWF 10:00am - 10:50am	Seats (Total: 110) CSI 1115	
0301	Clyde Kruskal MWF 1:00pm - 1:50pm	Seats (Total: 88) CSI 2117	

CMSC390 **Honors Paper**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be admitted to the Computer Science Honors Program.

Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120	
0201	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 2120	

CMSC412 **Operating Systems**

(Perm req)

Credits: 4 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

A hands-on introduction to operating systems, including topics in: multiprogramming, communication and synchronization, memory management, IO subsystems, and resource scheduling polices. The laboratory component consists of constructing a small kernel, including functions for device IO, multi-tasking, and memory management.

0101	A.U. Shankar TuTh 12:30pm - 1:45pm MW 1:00pm - 1:50pm	Seats (Total: 20) CSI 2107 CSI 2120	 Discussion
0102	A.U. Shankar TuTh 12:30pm - 1:45pm MW 2:00pm - 2:50pm	Seats (Total: 20) CSI 2107 CSI 2120	 Discussion

CMSC414 **Computer and Network Security**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	David Levin TuTh 2:00pm - 3:15pm	Seats (Total: 68) CSI 2117

CMSC417 **Computer Networks**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala TuTh 9:30am - 10:45am	Seats (Total: 55) CSI 2117

CMSC420 **Data Structures**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Larry Davis TuTh 11:00am - 12:15pm	Seats (Total: 50) CSI 1122
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1122
0301	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122

CMSC421 **Introduction to Artificial Intelligence**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	James Reggia	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSI 1122

CMSC422 **Introduction to Machine Learning**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Recommended: STAT400.

Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.

0101	Venkatramanan Subrahmanian	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSI 1121

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 50) CSI 1121

CMSC424 **Database Design**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 50) CSI 1122
0201	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122

CMSC425 **Game Programming**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC420.

An introduction to the principles and practice of computer game programming and design. This includes an introduction to game hardware and systems, the principles of game design, object and terrain modeling, game physics, artificial intelligence for games, networking for games, rendering and animation, and aural rendering. Course topics are reinforced through the design and implementation of a working computer game.

0101	David Mount TuTh 9:30am - 10:45am	Seats (Total: 46) CSI 2107

CMSC427 **Computer Graphics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH240; and minimum grade of C- in CMSC420; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	Instructor: TBA	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 2107

CMSC430 **Introduction to Compilers**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	David Van Horn	Seats (Total: 42)
	TuTh 2:00pm - 3:15pm	CSI 2107

CMSC433 **Programming Language Technologies and Paradigms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Adam Porter	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSI 1122

CMSC434 **Introduction to Human-Computer Interaction**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and PSYC100; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 48) CSI 1121

CMSC435 **Software Engineering**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1121
0201	James Purtilo TuTh 11:00am - 12:15pm	Seats (Total: 50) CSI 3117

CMSC451 **Design and Analysis of Computer Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Jessica Chang, Samir Khuller TuTh 5:00pm - 6:15pm	Seats (Total: 70) CSI 2117

CMSC456 **Cryptology**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: (any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456.

Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 37) PHY 1201
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 55) CSI 2117

CMSC460 **Computational Methods**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.

Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Ramani Duraiswami MW 3:30pm - 4:45pm	Seats (Total: 43) CSI 1121
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0303
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0201

CMSC466 **Introduction to Numerical Analysis I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH240 and MATH241; and (CMSC106 or CMSC131); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC466. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.

Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Instructor: TBA	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	ARM 0121

CMSC474 **Introduction to Computational Game Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: CMSC474, ECON414, GVPT390 or GVPT399A.

Game theory deals with interactions among agents (either human or computerized) whose objectives and preferences may differ from the objectives and preferences of the other agents. It will also provide a comprehensive introduction to game theory, concentrating on its computational aspects.

0101	Mohammad Hajiaghayi	Seats (Total: 46)
	TuTh 3:30pm - 4:45pm	CSI 2107

CMSC475 **Combinatorics and Graph Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH240 and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: MATH475.

General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 30)
	MWF 10:00am - 10:50am	MTH 0303

CMSC498A **Selected Topics in Computer Science**

(Perm req)

Credits: 1-3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Contact department for information to register for this course.

CMSC498J **Selected Topics in Computer Science; Social Media Computing**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: CMSC330 and CMSC351.

0101	Instructor: TBA	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CSI 1121

CMSC498N **Selected Topics in Computer Science; Seminar in CyberSecurity: Secure Maryland**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: CMSC330 and CMSC351.

0101	Robert Maxwell	Seats (Total: 13)
	TuTh 9:30am - 10:45am	CSI 2118

CMSC498R **Selected Topics in Computer Science; Introduction to Cryptology**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites:Any two 400-level MATH courses; or (CMSC351 and CMSC330); or (ENEE322 and ENEE380). Credit only granted for: ENEE459E, CMSC456, or CMSC498R. Over the past two decades, cryptography has become a highly relevant field: In addition to military and national security applications, cryptography is currently being used in critical financial, legal, and social applications. The aim of cryptography is to construct efficient schemes that allow parties to interact to implement some functionality, even when some subset of parties are malicious and behave adversarially. In contrast to the classical approach based on heuristics and ad-hoc solutions, modern cryptography aims for specific, rigorous security guarantees based on precise mathematical definitions and provably secure protocols.

0101	Dana Dachman-Soled	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ITV 1100

CMSC498T **Selected Topics in Computer Science; Intro to Data Science II: Exploring, Modeling and Comm with Data**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: CMSC330 and CMSC351.

0101	Hector Corrada Bravo	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 2120

CMSC499A **Independent Undergraduate Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

Contact department for information to register for this course.

CMSC630 **Foundations of Software Verification**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CMSC330; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Topics in program verification. Operational semantics of programs. Preconditions and postconditions. Axiomatic proof systems and predicate transformers. Temporal logic and model checking. Process algebra, semantic equivalences and algebraic reasoning.

0101	Walter Cleaveland	Seats (Total: 25)
	MW 3:30pm - 4:45pm	CSI 2107

CMSC661 **Scientific Computing II**

Credits: 3 Grading Method: Regular

Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC661. Credit only granted for: AMSC661 or CMSC661.

Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Howard Elman	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSI 2120

CMSC664 **Advanced Scientific Computing II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CMSC663. Restriction: Permission of instructor. Also offered as: AMSC664. Credit only granted for: AMSC664, or CMSC664.

In the sequence CMSC 663, CMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	CSI 4122

CMSC702 **Computational Systems Biology**

Credits: 3 Grading Method: Regular, Audit

An introduction to the fundamental concepts in the computational analysis of biological systems with applications to: functional genomics, population genetics, interaction networks, epigenetics. Computational concepts convered: network and graph algorithms, machine learning, large data/network visualization, statistical modeling and inference, probabilistic graphical models, sparse methods in data analysis, numerical optimization. No prior knowledge of biology required.

0101	Zia Khan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 2118

CMSC714 **High Performance Computing Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CMSC411 and CMSC412; or permission of instructor.

Slected topics in high-performance systems, including contemporary architectures, interconnection topologies, shared memory and message-passing systems, multi-threaded kernels, latency avoidance and hiding techniques, methods for data and workload partitioning performance profiling, debugging.

0101	Alan Sussman	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC722 **Artificial Intelligence Planning**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of CMNS-Computer Science department.

Automated planning of actions to accomplish some desired goals. Basic algorithms, important systems, and new directions in the field of artificial intelligence planning systems.

0101	Dana Nau	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC724 **Database Management Systems**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Computer Science (Master's); Computer Science (Doctoral)) ; or permission of instructor; or permission of CMNS-Computer Science department.

Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

0101	Amol Deshpande	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC734 **Information Visualization**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CMSC434; or must have experience in Human-Computer interaction. Formerly: CMSC838F.

Information visualization defined in relation to graphics, scientific visualization, databases, data mining, and human-computer interaction. Visualizations for dimensional, temporal, hierarchical and network data. Examines design alternatives, algorithms and data structures, coordinated views, and human factors evaluations of efficacy.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3118

CMSC773 **Computational Linguistics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: LING773. Formerly: CMSC828R. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both.

Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

Also offered as INST728C.

0101	Philip Resnik	Seats (Total: 30)
	W 1:30pm - 4:00pm	WDS 0104

CMSC798 **Graduate Seminar in Computer Science**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798F **Graduate Seminar in Computer Science; How to Conduct Great Research**

Credits: 1

Grading Method: Regular, Audit

0101	Ben Shneiderman Tu 2:00pm - 2:50pm	Seats (Total: 45) CSI 3117

CMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

Contact department for information to register for this course.

CMSC818D **Advanced Topics in Computer Systems; Human Factors in Security and Privacy**

Credits: 3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

0101	Michelle Mazurek TuTh 11:00am - 12:15pm	Seats (Total: 20) CSI 2118

CMSC818I **Advanced Topics in Computer Systems; Crypto-currency**

Credits: 2 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

0101	Elaine Shi	Seats (Total: 10)
	M 12:00pm - 2:00pm	AVW 3258

CMSC828A **Advanced Topics in Information Processing**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

Contact department for information to register for this course.

CMSC828E **Advanced Topics in Information Processing; From Data to Insights**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

0101	Instructor: TBA	Seats (Total: 10)
	Tu 2:00pm - 4:45pm	HBK 0115

CMSC828F **Advanced Topics in Information Processing; Computational Psycholinguistic**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

Also offered as LING889C, LING698C, and NACS728P. Credit granted for LING698C, LING889C, CMSC828F, or NACS728P. Explores how ideas from statistics and machine learning can be used to model the acquisition, processing, and evolution of language. The focus will be on three popular computational approaches: symbolic systems, neural networks, and probabilistic models.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	MMH 1108B

CMSC828I **Advanced Topics in Information Processing; Multilingual Natural Language Processing**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

Also offered as LING848M. Credit granted for CMSC828I or LING848M.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSI 3258

CMSC828V **Advanced Topics in Information Processing; Recent Advances in Visual Computing**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

0101	Amitabh Varshney	Seats (Total: 15)
	W 10:00am - 12:30pm	AVW 2119

CMSC828Y **Advanced Topics in Information Processing; Vision for Cognitive Robots: Recognition, Navigation and Manipulation**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

0101	John Aloimonos	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 3118

CMSC838A **Advanced Topics in Programming Languages**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.

Contact department for information to register for this course.

CMSC838F **Advanced Topics in Programming Languages; Tangible Interactive Computing**

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.

0101	Jon Froehlich	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	CSI 2120

CMSC858A **Advanced Topics in Theory of Computing**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.

Contact department for information to register for this course.

CMSC858C **Advanced Topics in Theory of Computing; Randomized Algorithms**

Credits: 3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.

0101	Aravind Srinivasan	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	CSI 2120

CMSC858X **Advanced Topics in Theory of Computing; Biological Network Modeling**

Credits: 3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.

0101	Eytan Ruppin	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSI 3120

CMSC878A **Advanced Topics in Numerical Methods**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of numerical methods to suit the interest and background of students.

Contact department for information to register for this course.

CMSC878O **Advanced Topics in Numerical Methods; Sparsity and Machine Learning**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the literature of numerical methods to suit the interest and background of students.

0101	Thomas Goldstein TuTh 12:30pm - 1:45pm	Seats (Total: 30) CSI 2118

CMSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM Communication Spring 2015

COMM107 **Oral Communication: Principles and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Nma Obike MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1180
0201	Annie Nichols TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1180

0301	Karen Lamb TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1184
0401	Sifan Xu MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1184
0501	Rebecca Alt MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1180
0601	Tiffany Banks TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1180
0701	Tiffany Banks TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1180
0801	William Howell MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1111
0901	Michelle Futerfas TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1176
1001	Heather Epkins TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1184
1101	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1168
1201	Amanda Irions TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0108
1301	Heather Epkins TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1184
1401	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 19) ASY 3221
1501	L Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 19) SKN 1112
1601	Thomas McCloskey TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1176

1701	William Howell MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1111
1801	Samuel Rubin TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 1111
1901	L Gordon TuTh 2:00pm - 3:15pm	Seats (Total: 19) SKN 1112
2001	Rodney Schwartz MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1184
2101	Sifan Xu MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1184
2201	Kathleen Brown MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1180
2301	Denise Erskine-Meusa MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1176
2401	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1168
2601	Michelle Futerfas TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1176
2701	Janna Soeder TuTh 9:30am - 10:45am	Seats (Total: 19) SKN 1112
2801	Rodney Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1184
2901	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) HBK 1108
3001	Rebecca Alt MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0123
3101	Karen Lamb TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1184

3201	Mengqi Zhan TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1180
3301	Instructor: TBA TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1172
3401	Stephanie Madden TuTh 6:30pm - 7:45pm	Seats (Total: 19) HBK 1108
3501	Michael Steudeman MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1146
3601	Denise Erskine-Meusa MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1176
3701	Brooke Fowler MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1162
3801	Brooke Fowler MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1162
3901	Heather Epkins TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1184
4001	Kathleen Brown MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1164
4301	Victoria Mends-Cole MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1184
4401	Kathleen Brown MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0108
4501	Rodney Schwartz MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1146
4601	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 19) HBK 1112
4701	Karen Lamb MW 3:30pm - 4:45pm	Seats (Total: 19) SYM 0209

4801	Paula Nadler MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0126
4901	Michael Steudeman MW 3:30pm - 4:45pm	Seats (Total: 19) HBK 1112
5001	Karen Lamb MW 5:00pm - 6:15pm	Seats (Total: 19) SYM 0209
5101	Heather Epkins TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1184
5201	Lauren Hunter TuTh 8:00am - 9:15am	Seats (Total: 19) HBK 0109
5301	Ning Xie TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1111
5401	Meridith Styer TuTh 12:30pm - 1:45pm	Seats (Total: 19) TYD 2110
5501	Tiffany Banks TuTh 5:00pm - 6:15pm	Seats (Total: 19) KEY 0121
5601	Rowena Kirby-Straker TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1113
5701	Tiffany Banks TuTh 3:30pm - 4:45pm	Seats (Total: 19) BPS 1236
5801	Lauren Hunter TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0109
5901	Liang Ma TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1180
6001	L Gordon TuTh 5:00pm - 6:15pm	Seats (Total: 19) HBK 1108
6101	Liang Ma TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1180

6201	Samuel Rubin TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 1111
6301	Samuel Rubin TuTh 5:00pm - 6:15pm	Seats (Total: 19) SKN 1112
6501	Kimberley Hannah MW 2:00pm - 3:15pm	Seats (Total: 19) PLS 1176
6601	Victoria Mends-Cole MW 2:00pm - 3:15pm	Seats (Total: 19) WDS 1131
6701	Victoria Mends-Cole MW 6:30pm - 7:45pm	Seats (Total: 19) PLS 1180
6801	Claire Tills MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1184
6901	Jean Vandenbosch MWF 8:00am - 8:50am	Seats (Total: 19) KEY 1117
7001	Rodney Schwartz MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1146
7101	Ning Xie TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1111
7201	Victoria Mends-Cole MW 3:30pm - 4:45pm	Seats (Total: 19) KEY 0123
7301	Shannon Holland TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 1131
7401	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 1131
7501	Nma Obike MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1180
7601	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) WDS 0104

7701	Kimberley Hannah MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1172
8101	Jiankun Guo TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1162
8201	Jiankun Guo TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1162
8301	Denise Erskine-Meusa MWF 1:00pm - 1:50pm	Seats (Total: 19) CHE 2145
8401	Denise Erskine-Meusa MWF 2:00pm - 2:50pm	Seats (Total: 19) CHE 2145
8501	Karen Lamb MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1164
8601	Zexin Ma MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0119
8701	Zexin Ma MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0119
8901	Jessica Lu TuTh 12:30pm - 1:45pm	Seats (Total: 19) EGR 0110
9001	Julio Bermejo MW 5:00pm - 6:15pm	Seats (Total: 19) HBK 1108
9101	Samuel Rubin TuTh 6:30pm - 7:45pm	Seats (Total: 19) SKN 1112
9201	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1146
9301	Nma Obike MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1168
9401	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1158

9501	Annie Nichols TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 1127
9601	Devin Scott MW 2:00pm - 3:15pm	Seats (Total: 19) SYM 0215
9701	Kimberley Hannah MW 3:30pm - 4:45pm	Seats (Total: 19) PLS 1176
9801	Janna Soeder TuTh 8:00am - 9:15am	Seats (Total: 19) SKN 1112
9901	Devin Scott MW 3:30pm - 4:45pm	Seats (Total: 19) SKN 1112
9902	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) SKN 1112
9903	Julie Gowin TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1168
9904	Mengqi Zhan TuTh 3:30pm - 4:45pm	Seats (Total: 19) WDS 1131
9907	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1176
9909	Annie Nichols TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1127
9911	Claire Tills MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1162
9912	Instructor: TBA TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1176
9914	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) PHY 1219
9915	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 19) CHE 2145

9916	Gerry Strumpf TuTh 3:30pm - 4:45pm	Seats (Total: 19) KEY 0103
9917	Shannon Holland TuTh 5:00pm - 6:15pm	Seats (Total: 19) KEY 0103

COMM200 **Critical Thinking and Speaking**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.

Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Jaclyn Bruner TuTh 12:30pm - 1:45pm	Seats (Total: 19) HBK 0105
0201	Jaclyn Bruner TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1184
0301	Melissa Lucas MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1115
0401	Melissa Lucas MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1115

COMM230 **Argumentation and Debate**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101	Megan Fitzmaurice TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1115
0201	Shannon Holland TuTh 12:30pm - 1:45pm	Seats (Total: 24) SQH 1103

0301	Jade Olson TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 2119	
0401	Megan Fitzmaurice TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1115	

COMM231 **News Writing and Reporting for Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.

Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 10:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 12:00pm - 1:50pm W 12:00pm - 1:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM232 **News Editing for Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232.

Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Pamela Grant Tu 1:00pm - 2:15pm Th 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0201	Pamela Grant Tu 2:30pm - 3:45pm Th 2:30pm - 3:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1117	 Discussion
0102	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1117	 Discussion
0103	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1117	 Discussion
0104	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 1114	 Discussion
0105	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1114	 Discussion
0106	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 TYD 1114	 Discussion
0107	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1121	 Discussion

0108	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1121	Discussion
0109	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1121	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM269C **Special Topics in Study Abroad II; Communication and Campaign Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM269M **Special Topics in Study Abroad II; Media Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM269P **Special Topics in Study Abroad II; Principles of Film and Media Production**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM269V **Special Topics in Study Abroad II; Visual Communication: Intercultural Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM288 **Communication Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 20)

COMM324 **Communication and Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Shannon Holland TuTh 3:30pm - 4:45pm	Seats (Total: 150) SHM 2102
SG91	Judith Tenney TuTh 11:00am - 12:15pm *Restricted to Communication students at Shady Grove.*	Seats (Total: 40) BLD3 4225

COMM330 **Argumentation and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Jade Olson TuTh 12:30pm - 1:45pm	Seats (Total: 35) SKN 0104

0201	Michael Steudeman	Seats (Total: 35)
	Meets January 26, 2015 - May 12, 2015	
	MW 2:00pm - 3:15pm	TYD 1114

COMM350 **Public Relations Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM231 or COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM350 or COMM430.

The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Timothy Penn	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SKN 1115
0301	Susan Simon	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SYM 0215

COMM351 **Public Relations Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM232 and COMM350. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331.

The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0201	Julio Bermejo	Seats (Total: 18)	
	M 3:30pm - 4:45pm	EGR 3140	
	W 3:30pm - 4:45pm	EGR 3140	Lab

COMM352 **Specialized Writing in Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or JOUR332. Formerly: JOUR332.

Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Stephanie Madden Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Timothy Penn Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM360 **The Rhetoric of Black America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Ann Mason TuTh 11:00am - 12:15pm	Seats (Total: 50) LEF 2166
0201	Jessica Lu TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1105

COMM370 **Mediated Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Junior standing or higher.

Analysis and critique of structure, performance, content, effects, and future of mediated communication.

Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V.

A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

SG91	Robert Coleman MW 9:00am - 10:45am *Restricted to COMM students at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM376 **Communication through Advocacy Short Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program.

Explores the theory and practice of contemporary communication and advocacy short form video.

SG91	Adam Nixon TuTh 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM382 **Essentials of Intercultural Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVCC

Credit only granted for: COMM382 or COMM482.

Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

0101	Deepa Anagondahalli TuTh 5:00pm - 6:15pm	Seats (Total: 45) TYD 2109
0201	Deepa Anagondahalli TuTh 3:30pm - 4:45pm	Seats (Total: 45) TYD 2111
0401	Anita Seate TuTh 3:30pm - 4:45pm	Seats (Total: 35) MMH 0108
SG91	Deepa Anagondahalli M 2:00pm - 4:50pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 3225

SG92	Deepa Anagondahalli W 2:00pm - 4:50pm	Seats (Total: 40) BLD2 3012
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usbiosci@umd.edu for permission.	

COMM385 **Influence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Credit only granted for: COMM385 or COMM498I (Spring 2014). Formerly: COMM498I (Spring 2014).

Explores contemporary theories of influence and their implications for communication practice. Topics include power and influence, logical theory, rhetorical theory, persuasion theory, framing theory, social influence theory, and propagation of influence in mediated social networks.

0101	Robert Gaines MW 5:00pm - 6:15pm	Seats (Total: 60) SQH 1119

COMM386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 60)
SG91	Lindsi Baltz Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

(Perm req)

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM398B **Selected Topics in Communication; Communication, Culture and Sport**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Restricted to COMM majors (major code: 1506A) only.

0101	Anita Seate	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	TYD 1114

COMM398C **Selected Topics in Communication; Peer Consulting in Oral Communication**

(Perm req)

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Restricted to majors in Communication. Provides training in the principles and practice of peer consulting in the context of the Oral Communication Center in the Department of Communication. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM 200) with new training to help their peers become outstanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer consulting best practices.

0101	Rowena Kirby-Straker	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	SKN 2117

COMM398D **Selected Topics in Communication; Public Relations Design and Publications**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Prerequisite: COMM350. Restriction: Must be in Communication program.

0101	Erich Sommerfeldt	Seats (Total: 18)
	TuTh 5:00pm - 6:15pm	EGR 3140

COMM398G **Selected Topics in Communication; Social Media Strategy**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

SG91	Julia Fraustino	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BLD3 2226
	Restricted to COMM majors at Shady Grove.	

COMM398I **Selected Topics in Communication; Communicating for Results**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

SG91	Judith Tenney	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 4225
	Restricted to Communication Students at Shady Grove.	

COMM398J **Selected Topics in Communication; Communcation and Advanced Digital Imaging**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

SG91	Robert Coleman	Seats (Total: 25)
	MW 2:00pm - 3:45pm	BLD3 3212
	Restricted to Communication students at Shady Grove.	

COMM398K **Selected Topics in Communication; Digital Communication and Strategic Message Design**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

SG91	Robert Coleman	Seats (Total: 25)
	MW 11:00am - 12:15pm	BLD3 3212
	Restricted to COMM students at Shady Grove.	

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

0101	Jon Hoffman TuTh 12:30pm - 1:45pm	Seats (Total: 100) SQH 1120
SG91	Jon Hoffman MW 11:00am - 12:15pm *Restricted to Communication students at Shady Grove.*	Seats (Total: 40) BLD3 4206

COMM398R **Selected Topics in Communication; Interactive Online Media**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM398T **Selected Topics in Communication; Advanced Public Speaking**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Restricted to COMM majors only (1506A).

0101	Elizabeth Gardner TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 1238

COMM399 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0401	Edward Fink Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)

COMM400 **Research Methods in Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.

Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis).

Attendance on the first day of class is mandatory.

0101	Edward Fink MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 WDS 1114	Discussion
0102	Edward Fink MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 16) ASY 2203 WDS 1114	Discussion
0103	Edward Fink MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 16) ASY 2203 WDS 1114	Discussion
0104	Edward Fink MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 16) ASY 2203 KEY 0126	Discussion
0105	Edward Fink MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 16) ASY 2203 KEY 0126	Discussion
0106	Edward Fink MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 KEY 0126	Discussion
0201	Soyoung Bae MW 5:00pm - 6:15pm	Seats (Total: 45) TYD 0102	
SG91	Soyoung Bae TuTh 12:30pm - 1:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 2230	

COMM401 **Interpreting Strategic Discourse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Michelle Yang TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) SKN 0200 EDU 0206	Discussion
0102	Michelle Yang TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) SKN 0200 EDU 0206	Discussion
0103	Michelle Yang TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) SKN 0200 EDU 0206	Discussion
0104	Michelle Yang TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) SKN 0200 WDS 1127	Discussion
0105	Michelle Yang TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) SKN 0200 WDS 1127	Discussion
0106	Michelle Yang TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) SKN 0200 WDS 1127	Discussion

COMM402 **Communication Theory and Process**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Philosophical and conceptual analysis of communication theories.

0101	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 TYD 2102	Discussion

0102	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 TYD 2102	Discussion
0103	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 TYD 2102	Discussion
0104	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0105	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0106	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion

COMM422 **Communication Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Communication policies, plans, channels, and practices in the managemen of the communication function in organizations.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM425 **Negotiation and Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Role of communication in shaping negotiation and conflict processes and outcomes.

Restricted to COMM majors.

0101	Lauren Edelstein TuTh 11:00am - 12:15pm	Seats (Total: 50) SQH 1121

COMM426 **Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: COMM425; and COMM250; and COMM402.

Role of communication in managing conflict processes.

Restricted to COMM majors.

0101	Lauren Edelstein TuTh 9:30am - 10:45am	Seats (Total: 50) SQH 1121

COMM436 **Interpersonal Arguing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM400 and COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM436 or COMM498I. Formerly: COMM498I.

An examination of face to face arguing.

Prerequiste: COMM400 and COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM436 or COMM498I. Formerly: COMM498I. An examination of face to face arguing.

0101	Dale Hample MW 3:30pm - 4:45pm	Seats (Total: 35) ASY 3203

COMM450 **Ancient and Medieval Rhetorical Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM450 or COMM650.

A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

SG91	Jon Hoffman MW 12:30pm - 1:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4206

COMM461 **Voices of Public Leadership in the Twentieth Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of the use of speaking in the power struggles of the twentieth century. Focus is on important speakers of the century, their social and policy influence, and the struggle to expand the diversity of voices with power in the public sphere.

0201	James Klumpp TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 1118

COMM470 **Listening**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The principles of listening behavior.

Restricted to COMM majors.

0101	Andrew Wolvin TuTh 9:30am - 10:45am	Seats (Total: 35) SKN 0104

COMM472 **Nonverbal Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

SG91	Judith Tenney TuTh 9:30am - 10:45am *Criminology and Criminal Justice majors at Shady Grove.*	Seats (Total: 40) BLD3 4225

COMM475 **Persuasion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Bases of persuasion, with emphasis on recent experimental developments in persuasion.

Restricted to COMM majors.

0101	Soyoung Bae MW 3:30pm - 4:45pm	Seats (Total: 50) TYD 1101

0201	Susan Hubbard MW 12:30pm - 1:45pm	Seats (Total: 50) SKN 0104
SG91	Soyoung Bae TuTh 2:00pm - 3:15pm *Restricted to Communication students at Shady Grove.*	Seats (Total: 40) BLD3 3206

COMM478 **Communication Colloquium**

Credits: 1 Grading Method: Regular

Current trends and issues in the field of communication, stressing recent research methods. Recommended for senior and graduate student majors and minors in communication.

0101	Instructor: TBA F 12:00pm - 1:30pm	Seats (Total: 40) SKN 0200

COMM483 **Senior Seminar in Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483.

Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

Restricted to majors in Communitcation

0101	Susan Simon TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 1108
0401	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 2121

COMM489 **Topical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individualized research projects conducted with a faculty sponsor.

Contact department for information to register for this course.

COMM498A **Seminar; Applied Social Campaigns: Anti-Extremism Messages**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

Prerequisite: Permission of Instructor. An application of intercultural, persuasive, and new media communication theories and research towards the generation and implementation of a social media campaign against extremism.

0101	Instructor: TBA	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TYD 2110

COMM498B **Seminar; Bateman Competition**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

0101	Susan Simon	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498G **Seminar; Event Planning and Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

Restricted to COMM majors.

0101	Pamela Grant	Seats (Total: 35)
	TuTh 9:30am - 10:45am	MMH 0108

COMM498N **Seminar; Creating the Narrative: Genre-Filmmaking and Dramatic Structure**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

SG91	Adam Nixon	Seats (Total: 30)
	Th 4:00pm - 6:30pm	BLD3 3212
	Restricted to Communication Students at Shady Grove.	

COMM498Q **Seminar; Sound-Lighting and Cinematography in the Digital Media Platform**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

SG91	Adam Nixon	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	BLD3 3212
	Restricted to Communication Students at Shady Grove.	

COMM498R **Seminar; Risk Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

SG91	Julia Fraustino	Seats (Total: 40)
	MW 3:30pm - 4:45pm	BLD3 2226
	Restricted to Communication students at Shady Grove.	

COMM498T **Seminar; Communication and Digital Media: Theory and Practice**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

SG91	Adam Nixon	Seats (Total: 30)
	TuTh 2:00pm - 3:30pm	BLD3 3212
	Restricted to Communication Students at Shady Grove.	

COMM498V **Seminar; Visual Rhetoric**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

Restriction: COMM majors (1506A) only. This course examines the rhetorical implications of looking. The course investigates how oppressed groups have been visually displayed in news photographs, museum exhibits, and in popular culture. Due to this focus on visual portrayals of cultural others, part of the class will be devoted to examining visual artifacts related to traumatic events including war, natural disasters, self-immolation, and lynching which some students mayfind disturbing. In tackling this difficult subject matter, the course will examine the intersection between responsibility and looking. Who has the right to take, display, and examine these images? Who makes thisdetermination and what are the rhetorical implications of it.

0101	Michelle Yang TuTh 3:30pm - 4:45pm	Seats (Total: 35) SKN 0104

COMM600 **Empirical Research in Communication**

Credits: 3 Grading Method: Regular, Audit

Formerly: SPCH600.

0101	Instructor: TBA Tu 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM604 **Argumentation Theory**

Credits: 3 Grading Method: Regular, Audit

Fundamental concepts, approaches, and problems in argumentation theory.

0101	Robert Gaines W 6:30pm - 9:30pm	Seats (Total: 20) SKN 2127

COMM605 **Interpersonal Arguing**

Credits: 3 Grading Method: Regular, Audit

Examination of interpersonal arguing. Topics include invention, form, and editing of argumentative content, presentation of such content in face-to-face conversation, and reaction to the content. Cognitive and other psychological approaches predominate, but some attention is given to rhetorical and philosophical traditions.

0101	Dale Hample M 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM619 **Consecutive Interpretation**

Credits: 2-6 Grading Method: Regular, Audit

Builds upon the systematic, reflective approach to interpreting in real-world settings introduced in Fundamentals of Interpreting. Consecutive interpreting skills are consolidated through individual and group practice, and any remaining challenges related to consecutive interpreting sub-skills are identified and addressed. Stresses effective analysis, note-taking, and use of voice during exercises in sight translation, dialogue, and formal consecutive interpreting.

PG01	Luigi David Luccarelli	Seats (Total: 25)
	Contact instructor or department for details.	
	Restricted to students in GSIT program.	

COMM629 **Introduction to Simultaneous Interpretation**

Credits: 1 Grading Method: Regular, Audit

Builds upon the overview of the simultaneous mode in Fundamentals of Interpreting by reviewing the relationship between consecutive and simultaneous skills and introducing work in the booth. Challenges of simultaneous interpreting, including split attention, ear-voice span, and voice and microphone technique are addressed. Participants become familiar with the booth and exercises required to build simultaneous skills. Role and use of portable equipment in professional settings are discussed. Recommended as preparation for the M.A. entrance examination.

PG01	Instructor: TBA	Seats (Total: 16)
	Contact instructor or department for details.	
	Restricted to students in GSIT program.	

COMM633 **Global Public Relations**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: COMM633 or JOUR633. Formerly: JOUR633.

Application of principles of public relations to countries or regions with different cultures, political systems, economic systems, levels of development, media systems, and levels of activism.

0101	Erich Sommerfeldt	Seats (Total: 15)
	Th 6:30pm - 9:30pm	SKN 2127

COMM649 **Translation for Specific Domains**

Credits: 2-6

Grading Method: Regular, Audit

Builds upon the systematic, reflective approach introduced in Fundamentals of Translation by addressing the development of translation skills required for specialization in specific domains. In written and sight translation exercises include researching specialized subject material, developing and maintaining terminology, and consulting experts in the field. Includes authentic, real-world translation projects in translation teams. Overview of computer-assisted translation tools and continued work on sight translation enable higher levels of productivity under time constraints.

PG01	Peng Wang	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students in GSIT program.	

COMM657 **Professional Practice Forum in Interpreting: Career Portfolio and Exams**

Credits: 1

Grading Method: Regular, Audit

Prerequisite: COMM719, COMM769, and COMM729; and admissions test for second-year courses; and permission of ARHU-Communication department.

Serves as final preparation for entry into the profession through development of strategies for gaining work as a professional translator. Prepares participants for degree examinations and employer tests through the review of previous exam material and employer testing requirements. Serves as venue for degree examinations, career goal setting and planning for future employment. Participants present and defend career portfolio and summative requirement for degree.

PG01	Luigi David Luccarelli	Seats (Total: 16)
	Th 2:00pm - 4:00pm	EGR 3111
	Restricted to students in GSIT program. Class will meet every other wee beginnig January 29.	

COMM688 **Communication Field Experience**

(Perm req)

Credits: 1-6

Grading Method: Regular, Audit

Applications of communication principles and research in professional communication settings.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Contact department for information to register for this course.

COMM698F **Special Problems in Communication; Feminism, Gender, Queer Theories**

Credits: 3 Grading Method: Regular, Audit

0101	Kristjana Maddux	Seats (Total: 15)
	Th 2:00pm - 5:00pm	SKN 2127

COMM702 **Intermediate Quantitative Data Analysis in Communication Research: The General Linear Model**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: COMM700; or permission of instructor. Formerly: SPCH702.

Data analysis in current communication research. Techniques include regression, correlation, factor analysis, matrix algebra, covariance structure, and path diagrams. Students will be expected to have completed a methods course and a statistics course or tested equivalent competencies.

0101	Edward Fink	Seats (Total: 15)
	Tu 11:00am - 2:00pm	SKN 2127

COMM714 **Introduction to Qualitative Methods in Communication Research**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Instructor: TBA	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM719 **Advanced Consecutive Interpretation**

Credits: 2-3 Grading Method: Regular, Audit

Builds consecutive interpreting skills to a highly professional level by sharpening listening, processing, memory, note-taking, and delivery skills, enabling interpretation of highly complex material requiring particular attention to nuance, tone, and style. Includes dialogue and monologue interpreting exercises with specialized subject material. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.

PG01	Shawn Parry-Giles	Seats (Total: 16)
	Contact instructor or department for details.	
	Restricted to students in GSIT Program.	

COMM730 **Seminar in Health Communication**

Credits: 3 Grading Method: Regular, Audit

Formerly: SPCH730.

Communication processes in health care and promotion.

PG01	Elizabeth Petrun	Seats (Total: 10)
	Th 6:00pm - 9:00pm	TLF 1101
	Restricted to students in GSIT Program.	

COMM738M **Seminar in Mediated Communication; Health in the Media**

Credits: 3 Grading Method: Regular, Audit

The examination of special topics related to the study of mediated communication.

0101	Amber Westcott-Baker	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM749 **Advanced Simultaneous Interpretation**

Credits: 1-3 Grading Method: Regular, Audit

Builds simultaneous interpreting skills to a highly professional level, including highly complex material requiring particular attention to nuance, tone, and style. Resolves any remaining challenges of split attention, ear-voice span, memory and delivery / presentation. Introduces simultaneous interpretation with text, based upon sight translation techniques. Participants emerge from the course as reflective practitioners with the simultaneous interpreting skills required to perform competently in real-world settings.

PG01	Shawn Parry-Giles	Seats (Total: 16)
	Contact instructor or department for details.	
	Restricted to students in GSIT Program.	

COMM759 **Professional Practice Forum in Interpreting: Practicum**

Credits: 1-3 Grading Method: Regular, Audit

Provides opportunities to interpret consecutively and simultaneously in real-world settings on campus and in the public service, legal, business, and political communities. Develops team leader skills by organizing and convening an event or series of events (conference, debate, or negotiation), selecting topics and delegates, and preparing speeches and arguments to deliver and interpret. Collaboration with participants in M.A. translation courses is sought. Requires independent study plan agreed with course instructor.

PG01	Instructor: TBA	Seats (Total: 16)
	Contact instructor or department for details.	
	Restricted to students in GSIT program.	

COMM762 **The Rhetoric of Political Institutions**

Credits: 3 Grading Method: Regular

The role of discourse in major political institutions is examined. The specific institutional focus may change from instructor to instructor. Examples include Congress, the courts, or the state legislatures.

PG01	Trevor Parry-Giles, David Sawyer	Seats (Total: 30)
	M 5:30pm - 8:30pm	SKN 3117
	Restricted to students in GSIT program. Class begins February 2.	

COMM789A **Seminar: Special Topics in Intercultural Communication; Advanced Political and Legal Communication**

Credits: 3 Grading Method: Regular, Audit

Explores special topic areas within the study of intercultural communication, such as culture and conflict, intercultural negotiation, cross-cultural relationships.

PG01	Shawn Parry-Giles	Seats (Total: 16)
	Th 11:00am - 2:00pm	Location: TBA

COMM798 **Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

Contact department for information to register for this course.

COMM798A **Independent Study; Public Speaking**

Credits: 1-3

Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

PG01	Andrew Wolvin	Seats (Total: 12)
	Th 1:00pm - 3:00pm	SKN 2117
	Restricted to students in GSIT program.	

COMM798B **Independent Study; Text Analysis and Intensive Writing**

Credits: 1

Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

PG01	Shawn Parry-Giles	Seats (Total: 10)
	Tu 11:00am - 12:00pm	SKN 3117
	Language: English. Restricted to students in GSIT Program.	
PG02	Guiling Hu	Seats (Total: 10)
	W 3:00pm - 4:00pm	SKN 0105
	Language: Chinese. Restricted to students in GSIT Program.	

COMM798W **Independent Study; Academic Writing**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

0101	Shawn Parry-Giles	Seats (Total: 15)
	Th 2:00pm - 3:00pm	SKN 3117

COMM799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

(Perm req)

Credits: 3-9 Grading Method: Regular, Audit

Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

(Perm req)

Credits: 3-9 Grading Method: Regular, Audit

Individual research in communication.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology Spring 2015

CONS609I **Special Topics in Conservation Biology; Internship**

Credits: 1 Grading Method: Sat-Fail

Lectures, experimental courses and other special instructions in variou subjects in conservation biology.

0101	Karen Lips	Seats (Total: 20)
	Contact instructor or department for details.	

CONS680 **Problem Solving in Conservation/Development**

Credits: 4 Grading Method: Regular, Audit

Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	Karen Lips	Seats (Total: 24)
	MW 1:30pm - 4:30pm	HJP 1213C

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

Credits: 1-4 Grading Method: Regular, Sat-Fail

Work on the required scholarly paper.

Contact department for information to register for this course.

CPET College Park Scholars-Environment, Technology & Economy Spring 2015

CPET101 **College Park Scholars: Environment, Technology & Economy First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPET100. Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program.

Introductory colloquium II: Continued examination of issues related to the convergence of the environment, technology and the economy. Group projects in sustainable development.

0101	Becky Archer	Seats (Total: 26)	
	Tu 5:00pm - 6:15pm	CCC 1100	
	M 4:00pm - 5:00pm	CCC 1105	Discussion
0102	Becky Archer	Seats (Total: 26)	
	Tu 5:00pm - 6:15pm	CCC 1100	
	M 5:00pm - 6:00pm	CCC 1105	Discussion
0103	Becky Archer	Seats (Total: 26)	
	Tu 5:00pm - 6:15pm	CCC 1100	
	Tu 5:00pm - 5:50pm	CCC 1105	Discussion
0104	Becky Archer	Seats (Total: 22)	
	Tu 5:00pm - 6:15pm	CCC 1100	
	Tu 6:00pm - 6:50pm	CCC 1105	Discussion

CPET240 **College Park Scholars: Environment, Technology & Economy Service-Learning Practicum**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Students must be matriculated into the College Park Scholars Environment, Technology & the Economy (CPET), Science, Technology & Society (CPSS), Arts (CPSA) and Business, Society, & Economy (CPBE) programs.

Supervised Service-Learning project in an area related to the environment, technology and the economy.

Restricted to College Park Scholars Arts. Supervised Service-Learning project working directly with the City of Frederick public officials and business owners to establish a municipal curb-side composting system.

0101	Mira Azarm, Nicole Mogul	Seats (Total: 30)	
	M 4:00pm - 4:50pm	CCC 1111	
	Tu 5:00pm - 6:45pm	CBD 1140	Lab

CPGH College Park Scholars-Global Public Health Spring 2015

CPGH101 **College Park Scholars: Global Public Health First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPGH100. Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program.

Using case studies, students will examine necessary components to design successful public health interventions.

0101	Muhiuddin Haider, Krishna Bhagat, Greg Raspanti	Seats (Total: 80)
	Tu 4:00pm - 5:30pm	CCC 1205

CPMS College Park Scholars-Media, Self and Society Spring 2015

CPMS101 **College Park Scholars: Media, Self & Society First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPMS100. Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.

Examination of the media's coverage of topical issues.

0101	James Baxter, Kalyani Chadha Th 12:30pm - 1:45pm	Seats (Total: 85) CCC 1205

CPPL College Park Scholars-Public Leadership Spring 2015

CPPL101 **College Park Scholars: Public Leadership First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPPL100. Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program.

Continued examination of issues related to public leadership. Development of team, community-based learning project proposals.

0101	James Stillwell, Jennifer Onyimba W 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 35) CCC 1111
0201	James Stillwell, Jennifer Onyimba W 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 30) CCC 1105
0301	James Stillwell, Jennifer Onyimba W 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 30) CCC 1205

CPSA College Park Scholars-Arts Spring 2015

CPSA101 **College Park Scholars: Arts First-Year Colloquium II**

Credits: 1-2 Grading Method: Regular

Prerequisite: CPSA100. Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program.

Introductory colloquium II: Arts workshops and Arts Festival.

0101	Harold Burgess, Eowyn Mays, Jessica Krenek M 6:00pm - 8:00pm	Seats (Total: 75) CCC 1100

CPSA149 **College Park Scholars: Arts Service-Learning Outreach**

Credits: 2 Grading Method: Regular

Service-Learning outreach to Prince George's County schools and non-profit agencies.

0101	Harold Burgess Th 5:00pm - 7:00pm	Seats (Total: 20) CCC 1111

CPSD College Park Scholars-Science, Discovery & the Universe — Spring 2015

CPSD100 **College Park Scholars: Science, Discovery & the Universe First-Year Colloquium A**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year.

Introductory colloquium: Examination of issues related to science, discovery and the universe.

0101	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1100

CPSD101 **College Park Scholars: Science, Discovery & the Universe First-Year Colloquium B**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Science, Discovery & the Universe (CPSD) program. Additional information: Both freshman colloquia (CPSD 100 and 101) are required for students to earn their College Park Scholars citations; however, they can be taken in any order during a student's first year.

Introductory colloquium: Examination of the intersection of astronomy and culture; and the roles of science, exploration and communication in the process of discovery.

0101	Elizabeth Warner, Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1205
0102	Instructor: TBA Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1100

CPSF College Park Scholars-Life Sciences — Spring 2015

CPSF101 **College Park Scholars: Life Sciences First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPSF100. Restriction: Students must be enrolled in the College Park Scholars Life Sciences (CPSF) program.

Further examination of issues related to the life sciences.

0101	Reid Compton	Seats (Total: 100)
	W 3:30pm - 5:30pm	PLS 1140

CPSG College Park Scholars-Science and Global Change Spring 2015

CPSG100 **College Park Scholars: Science & Global Change First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.

Introductory colloquium: Examination of issues related to science and global change.

Contact department for information to register for this course.

CPSG101 **College Park Scholars: Science & Global Change First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPSG100. Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.

Introductory colloquium II: Continued examination of issues related to science and global change.

0101	Thomas Holtz	Seats (Total: 91)
	Tu 3:30pm - 4:50pm	CCC 1100

CPSN College Park Scholars-International Studies Spring 2015

CPSN101 **College Park Scholars: International Studies First-Year Colloquium II**

Credits: 1 Grading Method: Regular General Education: DVCC

Prerequisite: CPSN100. Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program. Additional information: When paired with the successful completion of CPSN 100, students will earn Diversity/Cultural Competence General Education credits.

Introductory colloquium II: Continued examination of issues related to international studies.

0101	James Glass, Allison Patch Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1100
0102	James Glass, Catherine Kane Tu 2:00pm - 3:15pm	Seats (Total: 20) CBD 1140
0103	James Glass, Felipe Westhelle Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1115
0104	James Glass, Joseph Braun Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1200

CPSP College Park Scholars Program Spring 2015

CPSP219A **College Park Scholars Second-Year Colloquium II**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Intermediate colloquium for specific, second year, College Park Scholar Program.

Restricted to College Park Scholars Arts students. Workshops will be negotiated during the first week of class.

0101	Jessica Krenek, Eowyn Mays, Harold Burgess Tu 6:00pm - 8:00pm	Seats (Total: 75) CCC 1205

CPSP219L **College Park Scholars Second-Year Colloquium II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Intermediate colloquium for specific, second year, College Park Scholar Program.

Restricted to College Park Scholars-Life Sciences.

0101	Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0201	Joelle Presson Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115

0301	Gerald Wilkinson Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0401	Bretton Kent Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1172

CPSP239A **Practicum: Internship; Arts**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Arts.

Contact department for information to register for this course.

CPSP239B **Practicum: Internship; Business, Society and the Economy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars-Business, Society and the Economy..

0101	Mark Wellman Tu 6:00pm - 8:00pm	Seats (Total: 45) Location: TBA

CPSP239D **Practicum: Internship; Science, Discovery, and the Universe**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Alan Peel W 4:30pm - 5:50pm	Seats (Total: 60) CCC 1100

CPSP239E **Practicum: Internship; Environment, Technology and Economy**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer	Seats (Total: 60)
	M 5:00pm - 6:15pm	CCC 1205

CPSP239F **Practicum: Internship; Global Public Health**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 26th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 8th from 4-6 pm.

0101	Greg Raspanti, Krishna Bhagat, Elisabeth Maring, Colleen Farmer, Muhiuddin Haider	Seats (Total: 20)
	M 4:00pm - 5:15pm	CCC 1100

CPSP239G **Practicum: Internship; Science and Global Change**

Credits: 1-3 Grading Method: Regular General Education: DSSP

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 75)
	Contact instructor or department for details.	

CPSP239J **Practicum: Internship; Media, Self, and Society**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Contact instructor or department for details.	Seats (Total: 75)

CPSP239N **Practicum: Internship; International Studies**

Credits: 3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - International Studies.

0101	Catherine Kane, Allison Patch, James Glass, Felipe Westhelle, Joseph Braun Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 40)

CPSP239P **Practicum: Internship; Public Leadership**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars-Public Leadership.

0101	Jennifer Littlefield Contact instructor or department for details.	Seats (Total: 30)

CPSP239T **Practicum: Internship; Science, Technology, and Society**

Credits: 1 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Science, Technology, and Society.

0101	David Tomblin Th 3:40pm - 5:00pm	Seats (Total: 20) CCC 1105

CPSP249A **Practicum: Service-Learning; Arts**

Credits: 2 Grading Method: Regular

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 14)
	Th 5:00pm - 7:00pm	CCC 1111

CPSP249B **Practicum: Service-Learning; Business, Society and the Economy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman	Seats (Total: 25)
	Tu 6:00pm - 8:00pm	Location: TBA

CPSP249D **Practicum: Service-Learning; Science, Discovery, and the Universe**

Credits: 1-3 Grading Method: Regular

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Alan Peel	Seats (Total: 35)
	W 4:30pm - 5:50pm	CCC 1100

CPSP249E **Practicum: Service-Learning; Environment, Technology and Economy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer	Seats (Total: 15)
	M 5:00pm - 6:15pm	CCC 1205

CPSP249F **Practicum: Service-Learning; Global Public Health**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 26th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 8th from 4-6 pm.

0101	Elisabeth Maring, Muhiuddin Haider, Colleen Farmer, Greg Raspanti, Krishna Bhagat	Seats (Total: 40)
	M 4:00pm - 5:15pm	CCC 1100

CPSP249G **Practicum: Service-Learning; Science and Global Change**

Credits: 1-3 Grading Method: Regular

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249J **Practicum: Service-Learning; Media, Self, and Society**

Credits: 1 Grading Method: Regular

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249N **Practicum: Service-Learning; International Studies**

Credits: 3 Grading Method: Regular

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Restricted to College Park Scholars - International Studies

0101	Catherine Kane, Felipe Westhelle, Joseph Braun, James Glass, Allison Patch Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 15)

CPSP249T **Practicum: Service-Learning; Issues in STEM Education - Robotics Service-Learning in K-12Schools**

Credits: 3 Grading Method: Regular General Education: DSSP

Supervised Service-Learning project in area related to the theme of the students' College Park Scholars program.

Most of the class times will be spent at area Prince George's schools with partnering robotics teams. Consult the class requirements and locations provided in the syllabus at the beginning of the class.

0101	Matthew Aruch Tu 3:30pm - 5:00pm Th 2:00pm - 3:15pm	Seats (Total: 10) CCC 1200 CCC 1200	 Lab
0201	Matthew Aruch Tu 3:30pm - 5:00pm Th 3:30pm - 5:00pm	Seats (Total: 25) CCC 1200 CCC 1200	 Lab

CPSP259A **Practicum: Research; Arts**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-Arts.

0101	Eowyn Mays, Jessica Krenek, Harold Burgess Th 2:00pm - 2:50pm	Seats (Total: 15) CCC 1115

0201	Jessica Krenek, Eowyn Mays, Harold Burgess W 5:00pm - 5:50pm	Seats (Total: 15) CCC 1115
0301	Harold Burgess, Eowyn Mays, Jessica Krenek W 2:00pm - 2:50pm	Seats (Total: 15) CCC 1115

CPSP259B **Practicum: Research; Business, Society and the Economy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman Tu 6:00pm - 8:00pm	Seats (Total: 15) Location: TBA

CPSP259E **Practicum: Research; Environment, Technology and Economy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer M 5:00pm - 6:15pm	Seats (Total: 5) CCC 1205

CPSP259F **Practicum: Research; Global Public Health**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 26th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 8th from 4-6 pm.

0101	Muhiuddin Haider, Elisabeth Maring, Krishna Bhagat, Colleen Farmer, Greg Raspanti M 4:00pm - 5:15pm	Seats (Total: 10) CCC 1100

CPSP259G **Practicum: Research; Science and Global Change**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-Science and Global Change.

0101	Thomas Holtz Contact instructor or department for details.	Seats (Total: 25)

CPSP259J **Practicum: Research; Media, Self and Society**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-Media, Self and Society.

0101	Kalyani Chadha Contact instructor or department for details.	Seats (Total: 10)

CPSP259N **Practicum: Research; International Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to College Park Scholars-International Studies.

0101	James Glass, Allison Patch, Catherine Kane, Felipe Westhelle, Joseph Braun Contact instructor or department for details.	Seats (Total: 25)

CPSP269A **Practicum: Peer Teaching; Arts**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Supervised peer teaching in students' College Park Scholars program.

0101	Harold Burgess, Eowyn Mays, Jessica Krenek Contact instructor or department for details.	Seats (Total: 10)
0201	Eowyn Mays, Harold Burgess, Jessica Krenek Contact instructor or department for details.	Seats (Total: 10)
0301	Harold Burgess, Jessica Krenek, Eowyn Mays Contact instructor or department for details.	Seats (Total: 10)

CPSP269G **Practicum: Peer Teaching; Science and Global Change**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269T **Practicum: Peer Teaching**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

0101	Matthew Aruch W 3:30pm - 5:00pm	Seats (Total: 20) CBD 1140

CPSP279A **Practicum: Study Abroad; Scholars Study Abroad Practicum**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised international experience that satisfies students' College Park Scholars practicum requirement.

Contact department for information to register for this course.

CPSP279B **Practicum: Study Abroad; Business, Society and the Economy**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised international experience that satisfies students' College Park Scholars practicum requirement.

Restricted to College Park Scholars - Business, Society and the Economy.

0101	Mark Wellman	Seats (Total: 25)
	Tu 6:00pm - 8:00pm	Location: TBA

CPSP279F **Practicum: Study Abroad**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised international experience that satisfies students' College Park Scholars practicum requirement.

Restricted to College Park Scholars - Global Public Health. The first class meeting will be held on January 26th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 8th from 4-6 pm.

0101	Muhiuddin Haider, Colleen Farmer, Krishna Bhagat, Greg Raspanti, Elisabeth Maring	Seats (Total: 10)
	M 4:00pm - 5:15pm	CCC 1100

CPSP339 **Advanced Practicum: Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular General Education: DSSP

Independent study designed for students who wish to extend in greater depth and detail projects begun in sophomore year. Subject varies. Overseen by faculty director or mentor.

Contact department for information to register for this course.

CPSP349A **Advanced Practicum: Service Learning**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced supervised Service-Learning project.

Contact department for information to register for this course.

CPSP349D **Advanced Practicum: Service Learning; Science, Discovery, and the Universe**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced supervised Service-Learning project.

Contact department for information to register for this course.

CPSP349G **Advanced Practicum: Service Learning; Science and Global Change**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced supervised Service-Learning project.

Contact department for information to register for this course.

CPSP349T **Advanced Practicum: Service Learning; Science, Technology, and Society**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced supervised Service-Learning project.

Contact department for information to register for this course.

CPSP359N **Advanced Practicum: Research; International Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced supervised internship experience.

0101	Allison Patch, James Glass, Joseph Braun, Felipe Westhelle, Catherine Kane Contact instructor or department for details.	Seats (Total: 35)

CPSP359S **Advanced Practicum: Research; Discovery Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced supervised internship experience.

Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 3, 2013.

0101	David Eubanks TuTh 9:30am - 10:45am	Seats (Total: 29) CCC 1200

CPSP359W **Advanced Practicum: Research; Discovery Research at Library of Congress**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced supervised internship experience.

0101	Robert Garber	Seats (Total: 10)	
	Tu 11:00am - 12:15pm Th 8:30am - 12:30pm	CCC 1111 Location: TBA	Lab

CPSP369A **Advanced Practicum: Peer Teaching; Arts**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369D **Advanced Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised advanced practicum in peer instruction.

0101	Alan Peel	Seats (Total: 15)
	Contact instructor or department for details.	

CPSP369E **Advanced Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

0101	Mira Azarm, Nicole Mogul	Seats (Total: 1)
	Contact instructor or department for details.	

CPSP369G **Advanced Practicum: Peer Teaching; Science and Global Change**

(Perm req)

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369P **Advanced Practicum: Peer Teaching; Public Leadership**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369T **Advanced Practicum: Peer Teaching; Science, Technology, and Society**

Credits: 1 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP379B **Advanced Practicum: Study Abroad; Dubai: Global Immersion Experience**

Credits: 3 Grading Method: Regular

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379D **Advanced Practicum: Study Abroad; United Arab Emirates: Global Immersion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP388B **Advanced Special Topics in College Park Scholars; Innovation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Interdisciplinary topics of special interest to College Park Scholars, such as legacies of the cold war, environmental ethics, women in leadership, and other timely issues. Projects build on previous work in College Park Scholars.

Contact department for information to register for this course.

CPSS College Park Scholars-Science, Technology and Society — Spring 2015

CPSS101 **College Park Scholars: Science, Technology & Society First-Year Colloquium II**

Credits: 1 Grading Method: Regular

Prerequisite: CPSS100. Restriction: Students must be enrolled in the College Park Scholars Science, Technology & Society (CPSS) program.

Continued examination of issues related to science, technology and society.

0101	David Tomblin	Seats (Total: 90)
	M 3:30pm - 4:50pm	CCC 1205

CPSS225 **College Park Scholars Capstone: Science, Technology, and Society**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Prerequisite: CPSS100. Restriction: Must be in the College Park Scholars Science, Technology & Society (CPSS) program. Formerly: CPSP227.

Exploration and understanding of ways science and technology shape and are shaped by society.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 25) CCC 1111	
0201	Nicole Mogul TuTh 12:30pm - 1:45pm	Seats (Total: 25) CCC 1105	

DANC Dance Spring 2015

DANC109 **Improvisation I**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

An introduction to the process of spontaneous movement discovery involving solo and group movement experiences.

Prerequisite: permission of department.

0101	Sharon Mansur TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 1912	Lab

DANC128 **Fundamentals of Ballet**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to ballet technique and terminology for the beginning student.

0101	Robin Brown TuTh 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	Lab

DANC138P **World Dance Forms; Hip Hop**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit , D

Movement course. Traditional dances and music of selected cultures.

0101	Christopher Law TuTh 3:30pm - 4:45pm	Seats (Total: 25) PAC 1912	Lab

DANC138W **World Dance Forms; West African Dance**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit , D

Movement course. Traditional dances and music of selected cultures.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1912
0102	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1912

DANC148 **Fundamentals of Modern Dance**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to modern dance with emphasis on the development of fundamental movement skills.

0101	Nicole McClam TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	Lab
0102	Lynne Price TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	Lab
0103	Julia Smith TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1610	Lab
0104	Megan Morse Jans MW 11:00am - 12:15pm	Seats (Total: 30) PAC 1908	Lab

DANC149 **Fundamentals of Modern Dance II**

Credits: 2 Grading Method: Regular

Continuation of the development of axial and locomotor movement skills with emphasis on the development of functional alignment, musicality, range of movement, coordination, and movement memory.

0101	Lynne Price TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1912	Lab

DANC199 **Practicum in Choreography, Production and Performance I**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Choreography, production, and performance of student works, both on and off campus.

Contact department for information to register for this course.

DANC200 **Introduction to Dance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA, D General Education: DSSP

A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Meghan Bowden TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 0108
0201	Nicole McClam TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 0108
0301	Curtis Stedge TuTh 3:30pm - 4:45pm	Seats (Total: 25) HBK 0108

DANC207 **The Creative Process**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.

Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.

0101	Instructor: TBA MWF 2:00pm - 3:20pm	Seats (Total: 15) PAC 1610	Lab

DANC209 **Dance Composition**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Exploration of the structural elements of dance composition.

Prerequisite: DANC207 and permission of department.

0101	Alvin Mayes	Seats (Total: 15)	
	MWF 2:00pm - 3:20pm	PAC 1912	Lab

DANC218 **Foundations of Technique I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of heightened body awareness, breath support, dynamic alignment, and spatial awareness. Focus on rhythmic clarity and musicality.

Prerequisite: permission of department.

0101	Adriane Fang	Seats (Total: 17)	
	MWF 9:30am - 10:50am	PAC 1912	Lab

DANC219 **Foundations of Technique II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC218 with an added focus o momentum, the use of counter-tension, stability/mobility, suspension, and dynamic range.

Prerequisite: DANC218 and permission of department.

0101	Instructor: TBA	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab
0102	Adriane Fang	Seats (Total: 8)	
	MWF 9:30am - 10:50am	PAC 1912	Lab

DANC228 **Ballet I**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Barre and center work for alignment, strength, flexibility and coordination. Introduction to ballet terminology.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC229 **Ballet II**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC228.

0101	Mané Rebelo-Plaut TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1908	Lab

DANC299 **Practicum in Choreography, Production and Performance II**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC199.

Contact department for information to register for this course.

DANC318 **Foundations of Technique III**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC219 with an added focus on off-verticality, spirals, complex level changes, more complex and extended phrasing, responsiveness to accompaniment, vocalization.

Prerequisite: DANC219 an permission of department.

0101	Patrik Widrig MWF 12:30pm - 1:50pm	Seats (Total: 8) PAC 1912	Lab
0102	Instructor: TBA MWF 11:00am - 12:20pm	Seats (Total: 10) PAC 1912	Lab

DANC319 **Foundations of Technique IV**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC318 with an added focus on movement subtlety and complexity, and stylistic demands.

Prerequisite: DANC318 and permission of department.

0101	Patrik Widrig	Seats (Total: 8)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC328 **Ballet III; Ballet III for Majors**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Execution of the vocabulary of ballet movement with technical accuracy.

0101	Mané Rebelo-Plaut	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV; Ballet IV for Majors**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC328.

0101	Mané Rebelo-Plaut	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC338F **Global Movement Practices; Flamenco Dance**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Movement course. Intermediate level of dances and music of selected world cultures.

Prerequisite: DANC138F or permission of instructor.

0101	Miriam Phillips	Seats (Total: 15)	
	MW 12:30pm - 1:50pm	PAC 1908	

DANC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Contact department for information to register for this course.

DANC398 **Directed Studies in Dance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC299.

Prerequisite: DANC 299.

Contact department for information to register for this course.

DANC405 **Dance Education and Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-Dance department.

Curricula in dance in K-12 settings, classroom management, assessment/grading, and best practices in dance education in public schools. Current research and policy issues are included. This course counts towards teacher certification in the State of Maryland.

0101	Karen Bradley	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PAC 1924

DANC420 **Partnering**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-Dance department.

Elements of contemporary partnering including weight sharing, counter balancing, momentum/leverage, lifting and moving responsively.

0101	Alvin Mayes	Seats (Total: 15)
	TuTh 2:00pm - 3:20pm	PAC 1611

DANC448 **Modern Dance V**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Complex phrases of modern dance movement with emphasis on articulation and expression.

Prerequisite: DANC319 and audition.

0101	Instructor: TBA	Seats (Total: 10)	
	MWF 9:30am - 10:50am	PAC 1908	Lab

DANC449 **Modern Dance VI**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC448.

Prerequisite: DANC448.

0101	Instructor: TBA	Seats (Total: 6)	
	MWF 9:30am - 10:50am	PAC 1908	Lab

DANC488 **Project-Based Learning; Project-Based Learning**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

A specific project, is addressed, in dance from the perspectives of the investigator, the creator/choreographer, and the performer. Projects are cross-disciplinary and/or cross-cultural, and may involve both on- and off-campus experiences.

0101	Adriane Fang	Seats (Total: 16)	
	MW 3:30pm - 6:30pm	PAC 1912	

DANC499 **Practicum in Choreography, Production and Performance IV**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Advanced workshop in dance presentation, including performing, production and planned field experiences.

Prerequisite: DANC 399.

Contact department for information to register for this course.

DANC611 **Dance Technology and Media**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Project-based development of media and technological support for dance performance, archiving, and portfolio design, development and implementation.

0101	Paul Jackson	Seats (Total: 5)	
	TuTh 9:30am - 10:50am	PAC 1610	

DANC647 **Movement Practice**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Experiential studio work that generates common movement vocabulary and innovations of same in a shared, faculty-led exploration of movement for the purpose of generating vocabulary for technique, choreography, and pedagogy.

Contact department for information to register for this course.

DANC648 **Advanced Modern Dance Technique I**

Credits: 2 Grading Method: Regular, Audit

Professional level training in contemporary dance techniques.

0101	Instructor: TBA	Seats (Total: 5)	
	MWF 9:30am - 10:50am	PAC 1908	Lab

DANC649 **Advanced Modern Dance Technique II**

Credits: 2 Grading Method: Regular, Audit

A continuation of DANC 648.

0101	Instructor: TBA	Seats (Total: 5)	
	MWF 9:30am - 10:50am	PAC 1908	Lab

DANC679 **Graduate Dance Performance**

Credits: 1-3 Grading Method: Regular, Audit

An advanced performance course focusing on the restagings from noted scores of the choreographic works of significant artists in the field.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 2)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0301	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 2)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 2)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 2)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 2)
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 2)

DANC689P **Special Topics in Dance**

Credits: 3 Grading Method: Regular, Audit

Special Topics in dance theory, research or creative projects.

0101	Alvin Mayes TuTh 2:00pm - 3:15pm	Seats (Total: 5) PAC 1611

DANC698 **Independent Study in Dance**

Credits: 1-3 Grading Method: Regular, Audit

Directed independent study in theoretical topics.

Contact department for information to register for this course.

DANC705 **Arts Education**

Credits: 3 Grading Method: Regular, Audit

History of arts education in the U.S., recent policy changes and trends current and recent research findings, proposed legislation at the state and federal level and the relationship of research designed to, in part, prepare students to be K-12 arts education and/or researchers and/or policy professionals.

0101	Karen Bradley Class time/details on ELMs	Seats (Total: 2) ONLINE
IH60	Karen Bradley Class time/details on ELMs	Seats (Total: 6) ONLINE

DANC708 **Choreography II; Collaborative Work**

Credits: 3 Grading Method: Regular, Audit

Collaborative work across disciplines and genres.

0101	Sara Pearson MW 11:00am - 12:50pm	Seats (Total: 5) PAC 1610

DANC766 **Movement Observation and Analysis**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Aspects of cultural and nonverbal analysis, developmental movement, kinesiological analysis, Laban Movement Analysis, with the goal of developing the student/teacher's ability to observe macro and micro levels of detail.

0101	Anne Warren TuTh 11:00am - 12:20pm	Seats (Total: 5) PAC 1924

DANC777 **Internship in Dance**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0701	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC784 **Dance in a Global Context**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Topics that illuminate dance in global context and provides an overview of methods, challenges and perspectives to the study of dance cross-culturally will be considered. Simultaneously, surveys select dance practices spanning many geographical areas, and offers insight into the diverse social, cultural, religious, and political environments from which dance extends.

0101	Miriam Phillips	Seats (Total: 5)
	MW 3:30pm - 4:50pm	PAC 1924

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

Credits: 1-3 Grading Method: Regular, Audit

Supervised production and presentation of a significant choreographic project.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory; Directed Study in Dance Theory**

Credits: 2-6 Grading Method: Regular, Audit

Advanced directed study in dance history, theory or criticism culminating in a paper for presentation or publication.

0101	Patrik Widrig	Seats (Total: 6)
	Contact instructor or department for details.	
0201	Sara Pearson	Seats (Total: 6)
	Contact instructor or department for details.	
0301	Anne Warren	Seats (Total: 6)
	Contact instructor or department for details.	

0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 6)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 6)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 6)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 6)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 6)
0901	Instructor: TBA Contact instructor or department for details.	Seats (Total: 6)
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 6)

DANC799 **Master's Thesis Project**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ECON Economics Spring 2015

ECON155 **Economics & the College Affordability Crisis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, SCIS

Additional information: No background in economics is required, although this course could be a nice complement for ECON200 and ECON201.

Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education? ECON155 uses tools from economics to examine and explore answers to these and other related questions.

0101	Cindy Clement MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TYD 0102	Discussion
0102	Cindy Clement MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TYD 2111	Discussion
0103	Cindy Clement MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TYD 2102	Discussion
0104	Cindy Clement MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 TYD 2110	Discussion
0105	Cindy Clement MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 TYD 0102	Discussion
0106	Cindy Clement MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 TYD 0101	Discussion

ECON200 **Principles of Micro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

BL01	Instructor: TBA TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 440) TYD 0130 TYD 0130	Discussion

Blended Learning courses combine face-to-face and online interactions.

BL02	Instructor: TBA	Seats (Total: 440)	
	TuTh 12:30pm - 1:45pm	TYD 0130	
	F 12:00pm - 12:50pm	TYD 0130	Discussion

Blended Learning courses combine face-to-face and online interactions.

ECON201 **Principles of Macro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to the problems of unemployment, inflation, and economi growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	Instructor: TBA	Seats (Total: 440)	
	TuTh 2:00pm - 3:15pm	TYD 0130	
	F 10:00am - 10:50am	TYD 0130	Discussion
0201	Instructor: TBA	Seats (Total: 440)	
	TuTh 3:30pm - 4:45pm	TYD 0130	
	F 1:00pm - 1:50pm	TYD 0130	Discussion

ECON300 **Methods and Tools for Economic Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241.

Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Nicholas Montgomery	Seats (Total: 31)	
	TuTh 11:00am - 11:50am	MMH 1400	
	F 9:00am - 9:50am	TYD 0101	Discussion

0102	Nicholas Montgomery TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) MMH 1400 TYD 1108	Discussion
0103	Nicholas Montgomery TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 1108	Discussion
0104	Nicholas Montgomery TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 2102	Discussion
0105	Nicholas Montgomery TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) MMH 1400 TYD 1132	Discussion
0106	Nicholas Montgomery TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) MMH 1400 TYD 1108	Discussion
0201	Burak Turkgulu MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108	

ECON305 **Intermediate Macroeconomic Theory and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON305 or ECON325. Additional information: ECON325, Intermediate Macroeconomic Analysis, is a different course designed specifically for economics majors. ECON325 is accepted for ECON major requirements, but ECON305 is not.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 240) KEY 0106	

ECON310 **European Economic History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200.

The evolution of the capitalist system from its medieval origins to the present. Emphasis on dynamic forces of cumulative change in capitalism, including capital accumulation, technology, expansion of markets, the corporate form of private property in the means of production, and the relation of capitalism to war and revolution.

Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department.

Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0101	John Wallis	Seats (Total: 180)
	TuTh 11:00am - 12:15pm	LEF 2205

ECON314 **Economic History, Development and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200 and ECON201.

Study abroad in the economic history, institutional development, and recent economic policy problems of selected areas.

Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416.

Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Stefania Scandizzo	Seats (Total: 40)
	MWF 10:00am - 10:50am	TYD 0101

0201	Stefania Scandizzo MWF 11:00am - 11:50am	Seats (Total: 40) TYD 0101

ECON317 **Global Economic Policies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department; or permission of BSOS-Economics department. Credit only granted for: ECON398C or ECON317. Formerly: ECON398C.

Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111

ECON321 **Economic Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 120) MMH 1400
0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 120) MMH 1400

ECON325 **Intermediate Macroeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not.

Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Instructor: TBA MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) TYD 0117 TYD 1132	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 TYD 2108	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0117 TYD 1114	Discussion
0201	L Stevens MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 TYD 2110	Discussion
0202	L Stevens MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 30) JMZ 0220 TYD 1114	Discussion
0203	L Stevens MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 0111	Discussion
0204	L Stevens MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 TYD 2108	Discussion

ECON326 **Intermediate Microeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not.

Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Instructor: TBA MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) JMZ 0220 TYD 2110	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) JMZ 0220 TYD 0102	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) JMZ 0220 TYD 2102	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 31) JMZ 0220 TYD 2102	Discussion
0201	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 31) JMZ 0220 TYD 1118	Discussion
0202	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 31) JMZ 0220 TYD 0111	Discussion
0203	Instructor: TBA MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 31) JMZ 0220 TYD 2109	Discussion
0204	Instructor: TBA MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 31) JMZ 0220 TYD 1132	Discussion

ECON330 Money and Banking

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri	Seats (Total: 300)
	TuTh 9:30am - 10:45am	TYD 0130

ECON340 **International Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Credit only granted for: ECON340 or ECON441.

Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

Contact department for information to register for this course.

ECON358E **Special Topics in Study Abroad III; Environmental Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ECON358T **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ECON386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and junior standing or higher.

See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON397 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON396. Restriction: Must be a candidate for honors in economics.

General supervision will be provided through assembled meetings with the professor in charge of the course.

0101	Nuno Limao	Seats (Total: 15)
	W 12:30pm - 3:15pm	TYD 1108

ECON398E **Topics in Economics; Environmental Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Credit granted for only one of the following: ECON381,ECON398E, or ECON481.

Contact department for information to register for this course.

ECON398H **Topics in Economics; UK Economy & Financial Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Contact department for information to register for this course.

ECON398I **Topics in Economics; Urban and Regional Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Description: Restricted to ECON majors only. Prerequisites: One course with a minimum grade of C- from (ECON321 or STAT400); and minimum grade of C- in ECON326.

0101	Nicholas Montgomery MWF 10:00am - 10:50am	Seats (Total: 38) TYD 1118
0201	Nicholas Montgomery MWF 11:00am - 11:50am	Seats (Total: 38) TYD 1118

ECON398K **Topics in Economics; Competitive Market Structures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Prerequisite: ECON200.

Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Contact department for information to register for this course.

ECON398M **Topics in Economics; Economics of Employment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Prerequisites: ECON200 and ECON201.

Contact department for information to register for this course.

ECON398Z **Topics in Economics; Business Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is designed to meet the changing interests of students and staff. Topics vary in response to those interests. Students are advised to seek information about the coverage and prerequisites during the registration period.

Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Individual Instruction course: contact department or instructor to obtain section number. Open only to students who have previously earned 6 or more credits in 400-level economics courses.

Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399M **Individual Readings and Research For Undergraduates; Economy and Society**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual Instruction course: contact department or instructor to obtain section number. Open only to students who have previously earned 6 or more credits in 400-level economics courses.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON321, STAT400); and minimum grade of C- in ECON325 and ECON326. Restriction: Must be in a major within the BSOS-Economics department.

Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth.

0101	Erin Moody MWF 1:00pm - 1:50pm	Seats (Total: 30) HBK 0105
0201	Erin Moody MWF 2:00pm - 2:50pm	Seats (Total: 30) HBK 0105

ECON407 **Advanced Macroeconomics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

An in-depth analysis of current issues in macroeconomic theory and policy. Topics covered include: 1. alternative perspectives on macroeconomics including monetarism, new classical equilibrium models, rational expectations, and real business cycle models; 2. long term growth, the slowdown in productivity growth, and concerns about U.S. competitiveness; 3. the effectiveness of macroeconomic policy in an open economy; 4. the effects of finance on the real sector.

0101	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 38) TYD 1132
0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 38) TYD 1132

ECON412 Economic History and Modern Development

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON325 and ECON326. Restriction: Must be in a major within the BSOS-Economics department.

Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institutional changes in how societies organize economic and political activities.

0101	John Wallis TuTh 2:00pm - 3:15pm	Seats (Total: 25) TYD 0102

ECON414 Game Theory

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.

Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0201	Ozlem Tonguc TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1108
0301	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1114

ECON416 **Theory of Economic Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON315 or ECON416.

Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Sebastian Galiani MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1114

ECON418M **Economic Development of Selected Areas; Middle East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Economic and institutional characteristics of a specific geographic area are identified and discussed, and alternate strategies and policies for development are analyzed.

Description: Restricted to ECON majors only. Prerequisites: One course with a minimum grade of C- from (ECON321 or STAT400); and one course with a minimum grade of C- from ECON325 or ECON326.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 38) TYD 2109

ECON422 **Econometrics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON422, AREC422, or AREC489F.

Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	John Chao TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2108
0201	Sergio Urzua MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1101
0301	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 2111
0401	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2111

ECON423 **Econometrics II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department.

Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0101	Maureen Cropper TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 1102

ECON424 **Computer Methods in Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

Meets in computer labs 3 and 4 in LeFrak (0229 and 0231).

0101	Shanxiao Wang TuTh 3:30pm - 4:45pm	Seats (Total: 38) LEF LAB3
0201	Stephanie Rennane MW 3:30pm - 4:45pm	Seats (Total: 20) LEF 0231

ECON435 **Financial Markets and the Macroeconomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.

The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2110

ECON441 **Theory of International Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326 and ECON325. Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON340, ECON442, or ECON443. Credit only granted for: ECON340, ECON441, ECON442, or ECON443.

Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

Contact department for information to register for this course.

ECON442 **Globalization and Capital Markets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442.

Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	An Wang MW 2:00pm - 3:15pm	Seats (Total: 38) TYD 2110
0201	Bryan Hardy TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1132

ECON443 **International Trade and Trade Policy in the New Global Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326 and ECON325. Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443.

Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Stefania Scandizzo MWF 1:00pm - 1:50pm	Seats (Total: 38) TYD 0101
0201	Edith Laget TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1108

ECON451 **Public Choice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1101
0201	Peter Coughlin TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 2108

ECON454 **Public Finance and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON350 or ECON454.

Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 38) TYD 2102
0201	Lesley Turner TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 2102

ECON458Q **Special Topics in Study Abroad IV; State and Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ECON460 **Industrial Organization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

Examines different theoretical models of firm behavior in markets with varying amounts of market power. Relates theory to specific industries and examines how market structure evolves over time.

0101	Hong Lin TuTh 12:30pm - 1:45pm	Seats (Total: 38) TYD 0102	

ECON470 **Labor Economics:Theory and Evidence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

An analytical treatment of theories of labor markets, and an examination of empirical findings, evidence and conclusions. Topics covered will include some or all of the following: labor demand; labor supply and labor market participation; theory of human capital; earnings differentials; and if time allows, market structure and the efficiency of labor markets; and unemployment.

0101	Soohyung Lee TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 1118	
0201	Judith Hellerstein TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 0101	

ECON602 **Macroeconomic Analysis II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON601; or permission of BSOS-Economics department.

Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

0101	Sadik Aruoba, John Haltiwanger MW 9:30am - 10:45am M 5:00pm - 6:45pm	Seats (Total: 48) TYD 1114 TYD 2108	 Discussion

ECON604 **Microeconomic Analysis II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON603. Restriction: Permission of BSOS-Economics department.

Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

0101	Daniel Vincent, Patrick Greenlee	Seats (Total: 45)	
	TuTh 2:00pm - 3:15pm	TYD 0101	
	F 2:00pm - 3:15pm	TYD 2108	Discussion

ECON615 **Development Economics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON603; or permission of BSOS-Economics department.

Explore both the causes and consequences in development economics from a historical and scientific approach. Presents theoretical models and applied work that test alternative hypotheses. Explore models of economic growth and institutions, with emphasis on property rights and political regimes as causal factors affecting development. Discuss empirical methods widely used in the field and important related topics including poverty, inequality, education and health.

0101	Sebastian Galiani	Seats (Total: 15)
	MW 9:30am - 10:45am	TYD 1101

ECON624 **Econometrics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON623; or permission of BSOS-Economics department.

A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

0101	Guido Kuersteiner, Ingmar Prucha	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TYD 0101	
	Th 5:30pm - 7:15pm	TYD 2108	Discussion

ECON641 **Microeconomic Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Credit only granted for: ECON641 or ECON506. Formerly: ECON506.

Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.

PR01	Instructor: TBA	Seats (Total: 20)	
	Meets March 2, 2015 - May 22, 2015		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.		

ECON643 **Empirical Analysis I: Foundations of Empirical Research**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ECON643 or ECON521. Formerly: ECON521.

Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.

PR01	Instructor: TBA	Seats (Total: 20)	
	Meets March 2, 2015 - May 22, 2015		
	M 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.		

ECON645 **Empirical Analysis III: Econometric Modeling and Forecasting**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON522. Credit only granted for: ECON645 or ECON523. Formerly: ECON523.

Study of empirical techniques that are particularly relevant to the analysis of microeconomic models. Emphasis is on advanced panel data methods, time series regressions, instrumental variables, limited dependent variables, and sample selection corrections.

Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets March 2, 2015 - May 22, 2015		
	W 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON664 **Empirical Studies in Industrial Organization**

Credits: 3 Grading Method: Regular

Prerequisite: ECON603, ECON604, and ECON624. Credit only granted for: ECON664 or ECON698J. Formerly: ECON698J.

Review recent empirical literature in industrial organization. Covers price discrimination, cartel and collusion, entry and market structure, information and competition, technological change and adoption, auction, and firm organization.

0101	Ginger Jin	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 0101

ECON671 **Economics of Health Care**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.

An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.

Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets March 2, 2015 - May 22, 2015		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON674 **Economic Analysis of Law**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.

A study of the application of economics to law with a focus on game theory, strategic behavior and public policy.

Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets March 2, 2015 - May 22, 2015		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course will meet at 1400 16th Street, NW Washington DC.		

ECON675 **Environmental Economics**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.

A study of the nature of environmental regulation focusing on U.S. environmental policies and policy debates.

Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington D.C., Suite 140.

PR01	Instructor: TBA	Seats (Total: 24)	
	Meets March 2, 2015 - May 22, 2015		
	W 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course will meet at 1400 16th Street, NW Washington DC.		

ECON698 **Selected Topics in Economics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ECON702 **Advanced Macroeconomics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON602 and ECON601.

Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

0101	L Stevens	Seats (Total: 20)
	MW 11:00am - 12:15pm	TYD 1132

ECON704 **Advanced Microeconomics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON604 and ECON603.

This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

0101	Lawrence Ausubel	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2102

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Read, discuss, and analyze current topics in microeconomics, including public economics, environmental economics, labor economics, industrial economics, microeconomic theory, public choice and international trade. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.

0101	Robert Schwab MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0301	Ingmar Prucha MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Daniel Vincent MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0501	Lesley Turner MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Read, discuss, and analyze current topics in macroeconomics, including asset pricing models, models of economic growth, investment, and the labor market. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.

0101	John Chao TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 1108
0201	Charles Hulten TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	Ethan Kaplan TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Guido Kuersteiner TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

0501	John Wallis TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

ECON722 **Econometrics IV**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON624; or permission of BSOS-Economics department.

Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

0101	Ingmar Prucha, Guido Kuersteiner TuTh 5:00pm - 7:30pm	Seats (Total: 30) TYD 0102

ECON743 **Topics in International Finance**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON602; or permission of BSOS-Economics department. Recommended: ECON741.

Puzzles in international finance; portfolio balance, current account dynamics, exchange rate behavior; capital market imperfections; balance of payments crises.

0101	Sebnem Kalemli-Ozcan Tu 8:00am - 10:50am	Seats (Total: 20) TYD 0111

ECON752 **Public Economics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON751.

Theoretical and empirical issues in taxation, with particular emphasis on income taxation.

0101	Melissa Kearney TuTh 11:00am - 12:15pm	Seats (Total: 20) TYD 0111

ECON756 **Empirical Political Economics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON623, ECON624, and ECON754; or students who have taken courses with comparable content may contact the department. Restriction: Permission of BSOS-Economics department.

An introduction to empirical political economy. Determinants of individual political behavior and the impact of political rules on economic outcomes will both be analyzed. Modern applied econometric techniques will also be covered.

0101	Ethan Kaplan MW 11:00am - 12:15pm	Seats (Total: 20) BPS 0283

ECON772 **Population Economics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON771; or permission of BSOS-Economics department.

Covers the central ideas in population economics. These include theory and test of theories of mortality, fertility and immigration.

0101	Soohyung Lee TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1101

ECON799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

ECON graduate students only.

0101	Peter Coughlin W 3:30pm - 6:00pm	Seats (Total: 15) TYD 2111
0201	John Chao W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA

0301	Charles Hulten W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA
0401	Guido Kuersteiner W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA
0501	Ethan Kaplan W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA

ECON828 **Workshop in Econometrics**

Credits: 2 Grading Method: Sat-Fail, Audit

Current research in econometrics. Topics drawn from theoretical and applied econometrics. Special topics include: maximum likelihood and generalized method of moments estimation of linear and non-linear models, analysis of stationary and non-stationary time series, cross section time series estimation, spatial estimation mehtods, Bayesian methods, semi-and non-parametic methods, rational expectations models, numerical methods, and various applications.

0101	Ingmar Prucha M 3:30pm - 6:00pm	Seats (Total: 20) TYD 2110

ECON848 **Workshop in International Development, and Comparative Economics**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

ECON graduate students only.

0101	John Wallis M 3:30pm - 6:00pm	Seats (Total: 30) TYD 2102

ECON868 **Workshop in Industrial Organization**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

ECON graduate students only.

0101	Andrew Sweeting Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 2108

0201	Daniel Vincent Tu 3:30pm - 6:00pm	Seats (Total: 20) Location: TBA

ECON878 **Workshop in Labor Economics**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

ECON graduate students only.

0101	Soohyung Lee Th 3:30pm - 6:00pm	Seats (Total: 15) TYD 0101
0201	Melissa Kearney Th 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA

ECON898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

EDCI Curriculum and Instruction Spring 2015

EDCI210 **Exploring Teaching as a Career**

Credits: 3 Grading Method: Regular General Education: DSSP

Weekly participation as a volunteer tutor in a local school or community program with children or adolescents. Regular campus meetings assist with developing teaching skills and insight.

0101	Corenne Harris Tu 2:00pm - 4:00pm Contact instructor or department for details. *Students should reserve two late afternoons per week for tutoring or after-school learning opportunities.*	Seats (Total: 15) EDU 0206

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

Credits: 3 | Grading Method: Regular | CORE: HL, D | General Education: DSHU, DVUP

An examination of the ways various media represent dominant and non-dominant identities and the parameters for acceptable social behavior, and how these sociocultural forces shape personal identities, cultural competence and interpersonal power dynamics.

0101	Melissa Landa MW 9:30am - 10:45am	Seats (Total: 30) EDU 2121	
0201	Melissa Landa TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 2119	

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

Credits: 3 | Grading Method: Regular | CORE: HL | General Education: DSHU, SCIS

Through the study and use of oral storytelling and digital technologies explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

0101	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) PHY 1201 PHY 1201	 Lab
0102	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) PHY 1201 PHY 1201	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

Credits: 3 | Grading Method: Regular

An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component.

Students will be given their lab assignments in class.

0101	Tracy Dunheimer Th 2:00pm - 3:50pm Th 8:30am - 11:30am *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 24) EDU 2121 Location: TBA	 Lab

0102	Tracy Dunheimer Th 2:00pm - 3:50pm W 12:30pm - 3:30pm *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 6) EDU 2121 Location: TBA	Lab
0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 24) EDU 2121 Location: TBA	Lab
0202	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 6) EDU 2121 Location: TBA	Lab

EDCI286 **Latino and Black Schooling: A History**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP, SCIS

The historical, cultural, political and socio-economic factors that shape the school experience and achievement (Kindergarten - college) of Latinos and Blacks in the U.S.

0101	Instructor: TBA W 11:00am - 1:30pm	Seats (Total: 60) PLS 1130

EDCI288B **Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age**

Credits: 3 | Grading Method: Regular | CORE: SB | General Education: DSHS, SCIS

0101	June Ahn MW 10:00am - 11:15am	Seats (Total: 60) SQH 1119

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 150)

EDCI288O **Special Topics in Teacher Education; Exploring Teaching in America Counts/Reads**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Application and brief interview. Apply at: www.arac.umd.edu. Four to six hours each week in local elementary school working with children in reading or math through the America Reads*America Counts program. Transportation provided. Class will meet every week.

0101	Lanita Sledge, Alison Barlow Th 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) EDU 3236

EDCI297 **Students, Schooling, and Communities**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Corequisite: EDCI280.

Facilitates pre-service teachers' initial look at their personal backgrounds and the ways in which they view the world. Exploration of schools, students and their connections to communities. Draws on preservice teachers' concurrent field experiences.

0101	Jessica DeMink-Carthew MW 9:30am - 10:45am	Seats (Total: 25) EDU 2102

EDCI298 **Special Problems in Teacher Education**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101	Lisa Bote TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 2121

0201	Lisa Bote TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 2121
0301	Khara Schonfeld-Karan TuTh 12:30pm - 1:45pm	Seats (Total: 28) EDU 2212

EDCI401 **Student Teaching in Elementary School: Art**

Credits: 4-8 Grading Method: Sat-Fail

Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Art program.

0101	Susan Hendricks Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 18)

EDCI402 **Student Teaching in Secondary Schools: Art**

Credits: 2-8 Grading Method: Sat-Fail

Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program; and permission of Teaching and Learning, Policy and Leadership Department.

Students must pay a $750.00 lab fee.

0101	Susan Hendricks Contact instructor or department for details.	Seats (Total: 18)

EDCI404 **Student Teaching Seminar: Art Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI405 and EDCI400. Corequisite: EDCI402 and EDCI401. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.

An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Margaret Walker Tu 4:15pm - 7:00pm	Seats (Total: 8) EDU 1315

EDCI405 **Art Education Methods I**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300.

Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

0101	Susan Hendricks	Seats (Total: 25)
	Tu 9:00am - 12:00pm	EDU 1315

EDCI407 Practicum in Art Education: Three-Dimensional

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Secondary Educ: Art program; or must be a Pre-Art Education Major.

A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

0101	Margaret Walker	Seats (Total: 25)
	M 9:00am - 12:00pm	EDU 1315
	W 9:00am - 12:00pm	EDU 1315

EDCI414 Interdisciplinary Teaching in the Middle Grades II

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI360 and EDCI413. Corequisite: EDCI425 and EDCI460. Restriction: Minimum cumulative GPA of 2.5; and must be in the Middle School Teacher Education Program.

For prospective middle school teachers. Planning and implementing interdisciplinary instructional practices in middle school. Draws on the context of and experiences in the student teaching placement. Use of technology and incorporation of technology into instruction.

0101	Janet Walkoe	Seats (Total: 20)
	W 5:00pm - 7:00pm	EDU 2121
	Contact instructor for location details	

IH60	Daniel Levin M 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	

EDCI417 **Bases for English Language Instruction**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.

Examines current theory, research, best practice, curricula and materials focused on the teaching of English language to native and non-native English learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, argument, discourse structure, dialects, edited academic English, English language proficiency (listening, speaking, reading, writing) assessment, and instructional planning. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

0101	James Groff W 5:00pm - 7:45pm	Seats (Total: 30) ASY 3207

EDCI420 **Student Teaching Seminar in Secondary Education: Social Studies**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI426 and EDCI427. Corequisite: EDCI421 and EDCI422. Restriction: Minimum cumulative GPA of 2.75.

An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Alison Jovanovic W 5:00pm - 7:00pm	Seats (Total: 30) ASY 3203

EDCI421 **Student Teaching in Secondary Schools: Social Studies/History**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: Admission to teacher education program. Corequisite: EDCI420. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Social Studies program.

Students must pay a $750.00 lab fee.

0101	Alison Jovanovic	Seats (Total: 30)
	Contact instructor or department for details.	

EDCI425 **Equity and Pedagogy**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: EDCI424. Corequisite: EDCI414 and EDCI460. Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Secondary Educ: Art; Special Education).

An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Pedagogical decision making that leads to greater equity and improved student learning for all students. Draws on the concurrent student teaching experience.

0101	Kristin Sinclair	Seats (Total: 20)
	Tu 5:00pm - 7:00pm	EDU 0114

EDCI430 **Student Teaching Seminar in Secondary Education: World Language**

Credits: 1 Grading Method: Regular

Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI431 and EDCI474. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

An analysis of teaching theory, strategies and techniques in the internship experience.

0101	Perla Blejer	Seats (Total: 12)
	W 4:30pm - 6:30pm	ASY 3217

EDCI431 **Teaching Internship in Secondary Schools: World Language**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI430 and EDCI474. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Foreign Languages program. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Additional information: Internship lab fee applies. See current program description for details.

Practical experience as a full-time intern with a fully licensed World Language teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences.

Students must pay a $750.00 lab fee.

0101	Perla Blejer	Seats (Total: 12)
	Contact instructor or department for details.	

EDCI434 **Pedagogy of Teaching English Language Learners**

Credits: 3 Grading Method: Regular

A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar translation and audiolingual to communicative and task-based approaches will be presented. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Students will have the opportunity to discuss, probe and apply theories and principles to hands-on teaching practices in real-life settings. Digital technologies that assist teaching English language learners (ELLs) will be emphasized as well.

0101	Steven Sharp	Seats (Total: 24)
	MW 2:00pm - 3:15pm	EDU 2212

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

Credits: 3 Grading Method: Regular, Audit General Education: DVCC

Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T.

Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Jeff MacSwan	Seats (Total: 20)
	Th 2:00pm - 4:45pm	SQH 1101

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI437 or EDCI488P. Formerly: EDCI488P.

Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Denis Sullivan	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EDU 2119

EDCI440 **Internship Seminar in Secondary Education: English**

Credits: 1 Grading Method: Sat-Fail

Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI441 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

A review and analysis of current instructional theories, strategies and best practice in relation to the teaching internship. Meets at area high school; location provided before first meeting.

Meets at Eleanor Roosevelt High School. Contact the EDCI department for more information.

0101	Peggy Wilson	Seats (Total: 35)
	M 6:15pm - 7:15pm	Location: TBA

EDCI441 **Internship in Secondary Schools: English**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI440 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Practical experience as a full-time intern with a fully licensed English teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details.

Students must pay a $750.00 lab fee.

0101	Peggy Wilson	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI443 **Literature for Children and Youth**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.

Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Margaret Peterson	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EDU 0114

0201	Melissa Landa	Seats (Total: 30)
	W 1:00pm - 3:30pm	EDU 2119

EDCI450 **Internship Seminar in Secondary Education: Mathematics**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI457 and EDCI455. Corequisite: EDCI451 and EDCI474. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Strategies and techniques in the internship experience. Structured work on teaching portfolio (requirement for graduation and certification). Place, day, and time to be arranged.

Meets at Roosevelt High School. Day and time to be arranged.

0101	John Seelke	Seats (Total: 10)
	Tu 7:00pm - 9:00pm	EDU 2101

EDCI451 **Student Teaching in Secondary Schools: Mathematics**

Credits: 12 Grading Method: Sat-Fail

Corequisite: EDCI450. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Mathematics program.

Students must pay a $750.00 lab fee.

0201	John Seelke	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI460 **Student Teaching: Middle School**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDCI413. Corequisite: EDCI414 and EDCI425. Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and for Middle School Education majors only.

A Middle-school student teaching experience in two content areas.

Students must pay a $750.00 lab fee.

0101	Stacy Pritchett	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

Credits: 3 Grading Method: Regular

Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Loretta Holmberg-Masden MW 11:15am - 12:30pm	Seats (Total: 25) EDU 3233
0201	Jennifer Albro TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Loretta Holmberg-Masden MW 9:30am - 10:45am	Seats (Total: 25) EDU 2119
IH21	Instructor: TBA **Meets January 7, 2015 - February 25, 2015** WTh 5:00pm - 8:00pm *CITE Outreach Program. Registration restricted to program participants. Restriction: Department permission required. BPO at section level.*	Seats (Total: 17) Location: TBA

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI397 and EDCI461. Corequisite: EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program.

Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

IH21	Kathryn Williams **Meets March 4, 2015 - April 22, 2015** WTh 5:00pm - 8:00pm *CITE Outreach Program. Registration restricted to program participants.*	Seats (Total: 17) Location: TBA

IH60	Jennifer Turner Th 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	

EDCI463 **Reading in the Secondary School**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students.

Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Chuchu Li Tu 2:00pm - 4:30pm	Seats (Total: 30) EDU 2212
0201	Chuchu Li Th 2:00pm - 4:30pm	Seats (Total: 30) EDU 2212

EDCI464 **Assessment for Reading**

Credits: 3 Grading Method: Regular

Prerequisite: EDCI362. Restriction: Senior standing. And must be in Elementary Education program; or must be in Early Childhood Education program.

Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society.

0101	Ayanna Baccus W 4:15pm - 7:00pm *For Team 1 Interns.*	Seats (Total: 32) EDU 1121
0201	Jennifer Ritchotte M 4:15pm - 7:00pm *For Team 2 Interns.*	Seats (Total: 32) EDU 0212

0301	Julie Salay W 4:15pm - 7:00pm *For Team 3 Interns.*	Seats (Total: 32) TYD 1114
0401	Instructor: TBA Th 4:15pm - 7:00pm *Restricted to Early Childhood interns.*	Seats (Total: 32) EDU 2119

EDCI466 **Literature for Adolescents**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.

Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Megan Callow MW 11:00am - 12:15pm	Seats (Total: 30) EDU 2121

EDCI471 **Internship in Secondary Schools: Science**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDCI470. Corequisite: EDCI480 and EDCI474. Restriction: Must be in Secondary Educ: Science program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Practical experience as a full-time intern with a fully licensed science teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details.

Students must pay a $750.00 lab fee.

0101	Tranae Johnson Contact instructor or department for details.	Seats (Total: 20)

EDCI474 **Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Enrolled in internship/certification area. Restriction: Must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.

0101	Natalia Guzman, Leslie Page-Voth Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2111
0201	Leslie Page-Voth, Natalia Guzman Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2110

EDCI475 **Embracing Diversity in the Classroom Community**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Admission to teacher education program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI475 or EDCI488L. Formerly: EDCI488L.

An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.

0101	Andrew Brantlinger M 4:15pm - 7:00pm	Seats (Total: 25) EDU 2101

EDCI480 **Practices in Secondary School Science Teaching**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI470. Corequisite: EDCI471 and EDCI474. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Science program. Or minimum cumulative GPA of 2.75. Credit only granted for: EDCI480 or EDCI488J. Formerly: EDCI488J.

Analyses of student thinking, instructional interpretations, strategies, and techniques in the teaching internship.

Location to be announced and will occur in a local school.

0101	Tranae Johnson W 5:15pm - 7:15pm	Seats (Total: 10) ASY 3215

EDCI481 **Student Teaching: Elementary**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDCI352, EDCI362, EDCI342, EDCI372, and EDCI322. Corequisite: EDCI464. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program; and minimum cumulative GPA of 2.75.

Limited to elementary majors who have previously applied. Students must pay a $750.00 lab fee.

0101	Leslie Gettier W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 82) Location: TBA

EDCI488D **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0101	Chandra Turpen W 5:00pm - 7:45pm	Seats (Total: 18) EDU 2212

EDCI489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Individual study of approved problems.

Contact department for information to register for this course.

EDCI600 **Trends in Art Education Curriculum**

Credits: 3 Grading Method: Regular, Audit

Recent developments in art education.

IH60	Susan Hendricks **Meets January 6, 2015 - May 12, 2015** Tu 4:30pm - 7:30pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) Location: TBA

EDCI611 **Studying Student Learning in Diverse Settings**

Credits: 3 Grading Method: Regular, Audit

This course deepens teacher understanding of student development and th cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IH33	Maria Hyler **Meets January 26, 2015 - May 12, 2015** W 5:30pm - 8:30pm *TLPL MSMaRT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 17) Location: TBA
IH60	Alana Murray, Ebony Shockley W 5:30pm - 8:30pm *TLPL MCERT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 25) Location: TBA
IH61	Alice Cook W 5:30pm - 8:30pm *TLPL MCERT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 25) Location: TBA

EDCI612 **Assessing Student Learning and Development**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI612 or EDCI788S. Formerly: EDCI788S.

Prepares experienced teachers to assess student knowledge, strategies and skills over time so that they can design instruction that builds on student strengths and addresses student needs. Teachers will study the purposes of assessment including school and student needs. Teachers will study the purposes of assessment including school and teacher accountability, student placement, course grade assignment and instructional design. They also will explore types of formal and informal assessment, curriculum-based and curriculum-free assessment, external and teacher made assessment.

0101	Peter Afflerbach W 4:15pm - 7:00pm	Seats (Total: 30) JMZ 2206

EDCI613 **Practice and Theory in Teaching Second Language Learners**

Credits: 3 Grading Method: Regular, Audit

Corequisite: EDCI637 or EDCI689; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI613 or EDCI688B. Formerly: EDCI688B.

Focuses on issues that arise while teaching second language (ESOL or foreign language) learners. Supports implementation of theory into practice and research-based best practices during teaching internship, and completion of teaching portfolio during a second field experience.

0101	Megan Peercy M 5:00pm - 7:45pm	Seats (Total: 10) EDU 0206
0201	Kayra Alvarado Contact instructor or department for details.	Seats (Total: 5)
IH60	Kayra Alvarado M 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI618 **Proseminar for Teaching Internship**

Credits: 1 Grading Method: Regular, Audit

Supports and complements candidates' internship experiences. Extends skills in implementing less plans (lesson planning), culturally competent teaching, classroom management, issues of professionalism, and protfolio development.

IH21	Jo Smallwood	Seats (Total: 17)
	Meets January 13, 2015 - April 21, 2015	
	Tu 1:45pm - 4:30pm Contact instructor or department for details.	Location: TBA
	CITE Outreach Program. Registration restricted to program participants.	

EDCI620 **Trends in Secondary School Curriculum: Social Studies**

Credits: 3 Grading Method: Regular, Audit

Recent developments in educational thinking and practice on the curriculum in social studies.

IH60	Catherine McCall	Seats (Total: 25)
	M 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI622 **Teaching Social Studies in Elementary Schools**

Credits: 3 Grading Method: Regular, Audit

Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

IH60	Lisa Eaker	Seats (Total: 25)
	Contact instructor or department for details.	
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI625 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

Credits: 3 Grading Method: Regular

Provides middle and secondary education students with an understanding of the interactive nature of the reading process, the use of research-based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

0101	Ying Alice Zhang	Seats (Total: 15)
	Tu 5:30pm - 8:00pm	EDU 0202

IH60	Ayanna Baccus	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	
IH62	Ying Alice Zhang	Seats (Total: 1)
	Tu 5:30pm - 8:00pm	Location: TBA
	TLPL MCERT/CCLTCD Program Outreach Offering. Restricted to program participants.	

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

Credits: 3 Grading Method: Regular, Audit

Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

IH70	Jeff MacSwan	Seats (Total: 23)
	Meets January 23, 2015 - May 12, 2015	
	Class time/details on ELMs	ONLINE
	TESOL Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	

EDCI631 **Student Assessment in the Second Language Classroom**

Credits: 3 Grading Method: Regular, Audit

Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

0101	Ebony Shockley	Seats (Total: 25)
	M 5:00pm - 7:45pm	ASY 3211
	Class time/details on ELMs	ONLINE

EDCI632 **Special Education and Oral Language Development in TESOL**

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI632 or EDCI788L. Formerly: EDCI788L.

Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

0101	Instructor: TBA Th 5:00pm - 7:45pm *For EDCI majors only.*	Seats (Total: 15) ARC 1101
IH60	Drew Fagan Th 5:00pm - 7:45pm *TLPL MCERT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 25) ARC 1101

EDCI633 **Teaching for Cross Cultural Communication**

Credits: 3 Grading Method: Regular, Audit

Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

Some sessions will be conducted online.

0101	Jeff MacSwan Th 2:00pm - 4:45pm	Seats (Total: 10) SQH 1101

EDCI637 **Internship in World Language/TESOL Education**

Credits: 2-6 Grading Method: Regular, Audit

Prerequisite: EDCI434 and EDCI634; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Additional information: Internship lab fee applies. See current program description for details.

Practical experience as a full-time intern with a fully licensed World Language/TESOL teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences.

Students must pay a $750.00 lab fee.

0101	Daisy Fredricks Contact instructor or department for details.	Seats (Total: 15)

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

Credits: 3 Grading Method: Regular, Audit

Analysis of approaches to curriculum, current research, theory and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. Required for TESOL certification.

0101	Megan Peercy	Seats (Total: 25)
	W 5:00pm - 7:45pm	EDU 0212

EDCI645 **Teaching and Learning Geometry in the Middle Grades**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Admission to M.A. or M.Ed. with concentration in Mathematics Education; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI645 or EDCI688C. Formerly: EDCI688C.

Designed to enhance both the pedagogical and geometric content knowledg of middle school mathematics teachers.

IH30	Rodrigo Gutierrez	Seats (Total: 20)
	Meets January 14, 2015 - May 20, 2015	
	W 4:30pm - 7:30pm Contact instructor or department for details.	Location: TBA
	MCPS Middle School Math Outreah Program. Registration restricted to program participants.	

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Experience in teaching math; or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Research related to K-14 students' common errors in and (mis)understandings of mathematics. Instructional strategies useful in building on errors and changing students' conceptions.

0101	Richard Hollenbeck	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2119

EDCI661 **Content Area Reading**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department.

Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Mariam Dreher M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2119

EDCI665 **Clinical Instruction in Reading**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI664; or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Clinical procedures and materials for reading instruction.

For reading majors only.

IH20	Margaret Jenkins Tu 4:30pm - 7:15pm	Seats (Total: 18) Location: TBA
	Department permission required. Reading Specialist Outreach Program. Registration restricted to program participants.	

EDCI666 **Leadership in Schoolwide Reading Program**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

0101	Mariam Dreher Th 4:15pm - 7:15pm	Seats (Total: 20) KNI 1105

EDCI667 **Multicultural Materials and Instruction for K-12 Readers**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI667 or EDCI688E (as offered in Spring 2008). Formerly: EDCI688E.

An exploration of the multicultural materials and instructional strategies that create responsive K-12 classrooms and curricula for diverse readers.

IH20	Jennifer Turner	Seats (Total: 10)
	W 4:30pm - 7:15pm	Location: TBA
	Reading Specailist Outreach Prgoram. Registration restricctedto program participants.	

EDCI670 **Trends in School Curriculum: Science**

Credits: 3 Grading Method: Regular, Audit

Recent developments in educational thinking and practice on the curriculum in science education.

0101	Andrew Elby	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 2212

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

Examines current theory, research, best practice, curricula and materials for teaching written communication in middle and secondary schools in order to survey, review and select formal and informal assessments and diagnostic strategies useful for writing teachers. Focuses on validity and reliability issues. Includes instructional planning and development of instructional materials for implementing appropriate individual, small-group and large-group instruction. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

IH60	Kathleen Travers	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI676 **Reflection and Practice in Secondary School Science Teaching**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI675; or permission of instructor. Restriction: Must be in the Maryland Master's Certification program.

Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

IH60	Daniel Levin	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI685 **Research Methods**

Credits: 3 Grading Method: Regular

The interpretation and conduct of research in curriculum and instruction.

0101	Wayne Slater	Seats (Total: 25)
	Th 5:00pm - 7:45pm	EDU 2121

EDCI688M **Special Topics in Curriculum and Instruction; Mathematics in the Secondary Classroom**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

IH60	Dana Grosser-Clarkson	Seats (Total: 25)
	M 4:00pm - 7:00pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI688W **Special Topics in Curriculum and Instruction; Foundations in Arts Integration**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

0101	Linda Krakaur, Susan Denvir	Seats (Total: 5)
	Th 4:30pm - 7:15pm	Location: TBA

EDCI688Y **Special Topics in Curriculum and Instruction; Integrated Arts Practicum and Seminar**

Credits: 1 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI689 **Teaching Internship**

Credits: 1-9

Grading Method: Regular, Audit

Internship experiences in elementary or secondary teaching with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to graduate teacher education program option.

Student lab fee may apply. Contact program for details.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 5)
CE01	Karen Rehder **Meets January 28, 2015 - May 14, 2015** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 25)
CE02	Susan Hendricks **Meets January 26, 2015 - May 12, 2015** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required. Contact Outreach coe-outreach@umd.edu.*	Seats (Total: 25)
CE03	Peggy Wilson **Meets January 26, 2015 - May 16, 2015** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 20)
CE04	Perla Blejer Contact instructor or department for details.	Seats (Total: 25)
CE05	John Seelke **Meets January 26, 2015 - May 16, 2015** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE06	Tranae Johnson **Meets January 26, 2015 - May 16, 2015** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)

CE07	Catherine McCall	Seats (Total: 20)
	Meets January 26, 2015 - May 16, 2015	
	Contact instructor or department for details.	
	EDCI MCERT Outreach Offering. Department permission required.	
CE08	Daisy Fredricks	Seats (Total: 15)
	Meets January 26, 2015 - May 16, 2015	
	Contact instructor or department for details.	
	EDCI MCERT Outreach Offering. Department permission required.	
CE09	Stacy Pritchett	Seats (Total: 15)
	Meets January 26, 2015 - May 16, 2015	
	Contact instructor or department for details.	
	EDCI MCERT Outreach Offering. Department permission required.	
CE10	Karen Bradley	Seats (Total: 0)
	Meets January 26, 2015 - May 12, 2015	
	Contact instructor or department for details.	
	MCert Dance Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	
IS11	Stacy Pritchett	Seats (Total: 17)
	Tu 5:30pm - 8:30pm	Location: TBA
	TLPL MSMaRT Program Outreach Offering. Registration restricted to program participants.	

EDCI697 **Embracing Diversity in Classroom Communities**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

IH30	Tamara Clegg	Seats (Total: 20)
	Meets January 5, 2015 - May 12, 2015	
	Tu 5:00pm - 8:00pm	Location: TBA

EDCI698 **Conducting Research on Teaching**

(Perm req)

Credits: 1-3 Grading Method: Regular

Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.

EDCI OUtreach mission of department.

0101	Linda Valli Tu 4:30pm - 7:15pm	Seats (Total: 10) EDU 2212A
IH30	Joseph McCaleb **Meets January 6, 2015 - May 12, 2015** Contact instructor or department for details. *STEM Outreach Program. Registration restricted to program participants*	Seats (Total: 20)
IH60	Wayne Slater Tu 4:30pm - 7:45pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) Location: TBA
IH61	Kathleen Travers Sa 9:00am - 1:00pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) Location: TBA
IH62	James McGinnis Sa 9:00am - 1:00pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) Location: TBA
IH63	Daisy Fredricks Sa 9:00am - 1:00pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) TYD 2111
IH64	Ann Nutter Coffman Sa 9:00am - 1:00pm *TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.*	Seats (Total: 25) JMZ 2207

EDCI698A **Conducting Research on Teaching**

Credits: 2 Grading Method: Regular

Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.

Contact department for information to register for this course.

EDCI732 **Second Language Acquisition**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

Contact department for information to register for this course.

EDCI735 **Research Foundations of Second Language Education: ExaminingLinguistically Diverse Student Learning**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDCI630 or EDCI732; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Or permission of instructor.

Critically examine theories of second language acquisition and research in applied linguistics relevant to linguistically diverse students and learners of English as an additional language. Analysis of research from linguistic, psycholinguistic, sociolinguistic and sociocultural perspectives, with an emphasis on the social contexts of second language learning and teaching.

0101	Melinda Martin-Beltran	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 2121

EDCI753 **Foundations of Mathematics Education III: Curriculum**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Admitted to Mathematics Education Doctoral Program; or permission of EDUC-Teaching, Learning, Policy and Leadership department.

The study of curriculum in mathematics and research on curriculum. The relationship of mathematics and school mathematics; the forms, purposes,development, and evaluation of mathematics curricula.

0101	Daniel Chazan	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2121

EDCI758 **Research Seminar in Mathematics and Science Education**

Credits: 1

Grading Method: Regular, Audit

Read, plan, conduct, and report on research projects and research topics in mathematics and science education. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.

0101	Patricia Campbell	Seats (Total: 15)
	F 9:00am - 11:00am	EDU 2121

EDCI784 **Teaching, Professional Development and School Change**

Credits: 3 Grading Method: Regular, Audit

Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

0101	John O'Flahavan	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 3233

EDCI786 **Black and Latino Education: History and Policy**

Credits: 3 Grading Method: Regular, Audit

Recommended: EDCI776; and completion of EDSP611 recommended.

Examination of the historical legacies and contemporary policies that have contributed to the educational status (K-20) of Blacks and Latinos in the United States from the 19th century to the present. Issues surrounding language, immigration, racism, social class, and state and federal policies will also be analyzed.

0101	Victoria MacDonald	Seats (Total: 20)
	Th 4:15pm - 7:00pm	TWS 1107

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

Credits: 1-3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI788F **Selected Topics in Teacher Education; School Exclusion: Policy, Practice and Prevention**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

0101	Tara Brown	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0114

EDCI788R **Selected Topics in Teacher Education; Applied Linguistics Doctoral Seminar**

Credits: 1 Grading Method: Regular, Audit

Current topics and issues in teacher education.

0101	Melinda Martin-Beltran	Seats (Total: 19)
	Th 2:00pm - 3:15pm	EDU 1210B

EDCI792 **Qualitative Research II: Analysis and Interpretation of Data**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI791. Credit only granted for: EDCI692 or EDCI792. Formerly: EDCI692.

Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Tara Brown	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 1107

EDCI798 **Special Problems in Teacher Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDCI798B **Special Problems in Teacher Education; Revisioning Teacher Education**

Credits: 1-3 Grading Method: Regular, Audit

Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.

Meets 1st Wednesday of each month (Feb-May).

0101	David Imig, Linda Valli W 11:15am - 2:50pm	Seats (Total: 15) EDU 2212A

EDCI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

Credits: 1-3 Grading Method: Regular, Audit

Survey and analysis of literature on an identified research topic in mathematics education. Design and implementation of a research study to investigate the identified topic.

0101	Patricia Campbell F 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 2121

EDCI888 **Apprenticeship in Education**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Spring 2015

Additional courses are located under the HESI heading.

EDCP108B College and Career Advancement: Concepts and Skills; Learning Strategies

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

0101	Beverly Greenfeig **Meets March 5, 2015 - April 30, 2015** Th 12:00pm - 1:50pm	Seats (Total: 20) HBK 0123
0201	Shirley Browner Th 2:00pm - 3:20pm	Seats (Total: 20) ASY 3221
0401	Beverly Greenfeig W 3:00pm - 4:20pm	Seats (Total: 20) SQH 2119
0501	Shirley Browner **Meets February 2, 2015 - May 10, 2015** Contact instructor or department for details. *This is an online version for students who are not able to attend the face-to-face class options. There will be one indvidual meeting with the instructor- to be arranged. For more information, please contact the course instructor by email at sbrowner@umd.edu.*	Seats (Total: 20)

EDCP108C College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major

Credits: 1 Grading Method: Regular

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Recommended for freshman and sophomores needing to choose or clarify an academic major. Students actively participating in this course will haveidentified at least two viable majors by the conclusion of this course. Juniors by permission of instructors. All sections of EDCP108, except EDCP108D, EDCP108J, and EDCP108R are closed to Seniors.

0101	Jinhee Kang **Meets February 3, 2015 - April 14, 2015** Tu 10:00am - 11:50am	Seats (Total: 20) EDU 3233
0201	Erica Merson **Meets February 5, 2015 - April 16, 2015** Th 2:30pm - 4:20pm	Seats (Total: 20) WDS 0104

EDCP108G **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

For transfer students.

0101	Barbara Goldberg **Meets January 26, 2015 - April 24, 2015** M 2:00pm - 3:30pm	Seats (Total: 25) ASY 3211

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

Credits: 1 Grading Method: Regular, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

For students with Junior standing or above (or Sophomores, with permission of instructor) who are interested in learning about strategies for landing internships or full-time employment and being successful in their careers.

0101	Kara Kehoe **Meets February 4, 2015 - April 15, 2015** W 10:30am - 11:45am *Hybrid class, several meetings are online, others face to face.*	Seats (Total: 49) TYD 0102
0201	Angela Jackson **Meets February 3, 2015 - April 14, 2015** Tu 12:00pm - 1:15pm *Hybrid class, several meetings are online, others face to face.*	Seats (Total: 49) EDU 3315

0301	Claire Jacobson **Meets February 19, 2015 - April 9, 2015** Th 10:30am - 12:00pm	Seats (Total: 25) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

0101	Mark Montgomery **Meets February 3, 2015 - April 14, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Samuel Pinkava Class time/details on ELMs	Seats (Total: 20) ONLINE

EDCP220 **Introduction to Human Diversity in Social Institutions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DVUP

This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	James Welch MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2119
0201	Ranga Atapattu MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Nancy Truong MW 9:30am - 10:45am	Seats (Total: 25) EDU 0114

EDCP298 **Special Problems in Counseling and Personnel Services**

Credits: 1-3 Grading Method: Regular, Pass-Fail

Individual instruction in special problems related to counseling, student leadership, and college student development.

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Lee Penn TuTh 2:00pm - 3:15pm	Seats (Total: 25) KEY 0119
0201	Arianna Lashley MW 11:00am - 12:15pm	Seats (Total: 25) SQH 2119
0301	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 25) HBK 1108
0401	Margaret Kim MW 9:30am - 10:45am	Seats (Total: 25) EDU 3233
0501	Carly Hunt TuTh 2:00pm - 3:15pm	Seats (Total: 25) KNI 1105

EDCP386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and junior standing or higher.

Special EDCP form required.

Contact department for information to register for this course.

EDCP462 **Disability in American Society**

Credits: 3 Grading Method: Regular , D

Restriction: Must have earned a minimum of 30 credits; and sophomore standing or higher.

Critical examination of the history of discrimination and analysis of current policies toward people with severe physical and mental disabilities.

0101	Ellen Fabian	Seats (Total: 20)
	M 4:15pm - 7:00pm	TWS 0205

EDCP489 **Field Experiences in Counseling and Personnel Services**

(Perm req)

Credits: 1-4 Grading Method: Regular General Education: DVUP

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-3 Grading Method: Regular

Available only to major students who have formal plans for individual study of approved problems.

Contact department for information to register for this course.

EDCP498B **Special Problems in Counseling and Personnel Services; From Africa to South America - The Afro-Brazilian Experience**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Available only to major students who have formal plans for individual study of approved problems.

Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transition to Careers in the Global Workplace**

Credits: 2 Grading Method: Regular

The following type of educational enterprise may be scheduled under this course heading: workshops conducted by the Department of Counseling and Personnel Services (or developed cooperatively with other departments, colleges and universities) and not otherwise covered in the present course listing; clinical experiences in counseling and testing centers, reading clinics, speech therapy laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups.

For Juniors and Seniors only. The purpose of this course is to help Juni ors/Seniors identify meaningful career paths and continuing education pl ans following college graduation.

0101	Linda Gast	Seats (Total: 20)
	Tu 10:00am - 11:50am	KEY 0120

0201	Linda Gast	Seats (Total: 20)
	Tu 1:00pm - 2:50pm	WDS 1127

EDCP610 **Professional Orientation**

Credits: 3 Grading Method: Regular, Audit

Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.

IH14	Debra Luecking	Seats (Total: 25)
	Meets February 9, 2015 - May 12, 2015	
	Class time/details on ELMs	ONLINE
	Applied Counseling and Human Services Outreach Program. Registration restricted to program participants.	

EDCP612 **Multicultural Issues in Counseling and Personnel Services**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Socio-psychological, philosophical, clinical, and research topics related to the provision of counseling and personnel services, academic support, and career development for minority students on predominantly white college and university campuses. Implications of race and/or national origin on opportunities for personal, social, academic, and career development in educational settings.

0101	Richard Shin	Seats (Total: 15)
	M 4:15pm - 7:00pm	KNI 1105

EDCP615 **Counseling I: Appraisal**

Credits: 3 Grading Method: Regular, Audit

Corequisite: EDCP618. Restriction: Must be in a major within EDUC-Counseling, Higher Education and Special Education department.

Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.

0101	Natasha Mitchell	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2102

EDCP619D **Practicum in Counseling; Practicum in School Counseling**

Credits: 3 Grading Method: Regular

Sequence of supervised counseling experiences of increasing complexity. Limited to eight applicants in advance. Two hours class plus laboratory.

0101	Natasha Mitchell W 4:15pm - 7:00pm	Seats (Total: 12) KNI 1103

EDCP630 **School-Based Behavioral Interventions**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor; and must be in a major in EDUC-College of Education.

Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

0101	Jill Berger Tu 10:00am - 12:45pm	Seats (Total: 10) EDU 0202

EDCP633 **Diagnostic Appraisal of Children I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCP632.

Assessment of development, emotional and learning problems of children.

0101	Hedwig Teglasi Tu 10:30am - 1:15pm	Seats (Total: 10) EDU 3236

EDCP655 **Organizational Dimensions of Student Affairs**

Credits: 3 Grading Method: Regular

Prerequisite: EDCP610; or permission of EDUC-Counseling, Higher Education and Special Education department.

Exploration of leadership and organizational change of student affairs programs in post-secondary education.

0101	Kimberly Griffin Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDCP680 **Basic Didactic Practicum in Counseling Psychology**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: For Counseling Psychology majors only. Formerly: PSYC776.

In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

0101	Patricia Spangler	Seats (Total: 8)
	M 10:00am - 1:00pm	EDU 3236

EDCP686 **Counseling Psychology Didactic Practicum in Career Interventions**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: For Counseling Psychology majors only. Formerly: EDCP777.

In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

0101	Robert Lent	Seats (Total: 8)
	W 1:00pm - 4:00pm	EDU 2101

EDCP693 **Assessment in Counseling Psychology ii**

Credits: 3 Grading Method: Regular

Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC693. Formerly: EDCP789F.

Supervised experience in administration, scoring, and interpreting majo psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

0101	Matthew Miller	Seats (Total: 20)
	Tu 10:00am - 1:00pm	EDU 0206

EDCP694 **Student Leadership Development**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCP694 or EDCP789D. Formerly: EDCP789D.

Explores the development of leadership among college students including the study of leadership theory; a focus on how leadership is learned and developed; cultural demensions of leadership; and exposure to the current national scene in leadership associations, programs, and resources.

0101	Craig Slack	Seats (Total: 20)
	W 3:00pm - 5:45pm	ASY 3219

EDCP717 **Evaluation of Research in Counseling**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Research on process and outcome in counseling. A review of research and appropriate research methodologies.

0101	Paul Gold	Seats (Total: 20)
	W 1:00pm - 4:00pm	EDU 1315

EDCP738 **Practicum in Child Assessment**

Credits: 3 Grading Method: Regular, Audit

Administration of complete test batteries to children; supervision of initial interviews; test administration and scoring; interpretation and synthesis of test battery and interview material; the psychological report; verbal interpretation of test results; and recommendations. Taken initially with EDCP 633; repeated with EDCP 634 in the subsequent semester.

0101	Jill Berger	Seats (Total: 10)
	Th 9:00am - 12:15pm	Location: TBA

EDCP742 **Examining College Environments and Outcomes**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS651; or permission of instructor. Credit only granted for: EDCP742 or EDCP789K. Formerly: EDCP789K.

Explores theory and research on the impact of the college environment o undergraduate student outcomes. Discusses environmental theory and assessment, college impact theory, outcomes assessment, and implications of the above for higher education and student affairs.

0101	Nicole Long M 9:00am - 11:45am	Seats (Total: 20) EDU 0202

EDCP771 **The College Student**

Credits: 3

Grading Method: Regular, Audit

A demographic study of the characteristics of college students as well as a study of their aspirations, values, and purposes.

0101	Wallace Eddy M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0206

EDCP773 **Designing Qualitative Research in Counseling and Student Affairs Contexts**

Credits: 3

Grading Method: Regular, Audit

Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

0101	Michelle Espino Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDCP788 **Advanced Practicum**

Credits: 1-6

Grading Method: Regular, Audit

Individual supervision in one of the following areas: (a) individual counseling, (b) group counseling, (c) consultation, or (d) administration.

5001	John Zacker Contact instructor or department for details.	Seats (Total: 5)

EDCP789J **Advanced Topics in Counseling and Personnel Services; Ground Theory**

Credits: 3

Grading Method: Regular, Audit

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

EDCP789N **Advanced Topics in Counseling and Personnel Services; Therapeutic Approaches with Children**

Credits: 3 Grading Method: Regular, Audit

0101	Laura Groft, Kathleen Gifford W 5:00pm - 7:45pm	Seats (Total: 20) EDU 2101

EDCP789Z **Advanced Topics in Counseling and Personnel Services; Foundations of Consultation and Collaboration**

Credits: 3 Grading Method: Regular

0101	Colleen O'Neal M 9:00am - 11:45am	Seats (Total: 10) Location: TBA

EDCP798 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP870 **Professional Issues Seminar**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.

Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research.

0101	Paul Gold Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDCP888 **Apprenticeship in Counseling and Personnel Services**

(Perm req)

Credits: 1-8

Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3

Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Marsha Guenzler-Stevens Contact instructor or department for details.	Seats (Total: 10)
7201	Michelle Espino Contact instructor or department for details.	Seats (Total: 10)

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

Credits: 1-8

Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Jill Berger Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)
0501	Judith Kinney Contact instructor or department for details.	Seats (Total: 10)

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHD Education, Human Development Spring 2015

EDHD210 **Foundations of Early Childhood Education**

(Perm req)

Credits: 3 Grading Method: Regular CORE: HO General Education: DSHS

Corequisite: EDSP211.

Students explore historical and current research in early childhood education, primary models of curriculum and pedagogy in the field, and the relationship between critical aspects of young children's development and the creation of inclusive learning opportunities for all children, including children at risk. The concept of developmentally appropriate practice and its application across different developmental levels and early childhood classrooms will be introduced and connected with discussion in EDHD220 and EDSP211. Students examine issues in developing and implementing high quality early childhood education experiences for young children with and without disabilities, including the influence of family, culture, and community, the needs of children at risk (e.g., poverty, immigrant status, English Language Learners), and the role of assessment in early learning.

0101	Elisa Klein	Seats (Total: 20)
	Th 1:00pm - 4:00pm	EDU 0206

EDHD220 **Exploring Early Childhood General and Special Education**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Students who are considering a career in education will consider information about the teaching profession. Students reflect on their personal strengths, identify areas of growth, and examine their predisposition to work with young children with and without disabilities. They will discuss the nature of teaching, the moral and philosophic underpinnings that influenced their decision to enter into the teaching professions, as well as the roles and responsibilities of teachers and the characteristics and qualities for effective teachers (teaching styles and teacher's primary role in the classroom).

Students should allow an appropriate amount of travel time from the off-campus experience to your classes meeting on campus.

0101	Brenda Jones Harden Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0102	Brenda Jones Harden Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0103	Brenda Jones Harden Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0104	Brenda Jones Harden Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0105	Brenda Jones Harden Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab

EDHD230 **Human Development and Societal Institutions**

Credits: 3 | Grading Method: Regular, Audit | CORE: SB, D | General Education: DSHS, DVUP

Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Courtney Hattan MW 11:00am - 12:15pm	Seats (Total: 45) EDU 1121
0201	Courtney Hattan MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 1107

EDHD231 **Inside 21st Century Creativity: How Creative Ideas, Concepts, and Products are Generated**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Mechanisms of the creative mind. Psychological, social, sociological, developmental, cultural, educational, genetic and neural based roots of creativity.

0101	Kevin Dunbar TuTh 11:00am - 12:15pm	Seats (Total: 60) SQH 1119
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 1121

EDHD306 **Research Methods in Human Development**

Credits: 3 Grading Method: Regular, Audit General Education: FSAR

Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Jennie Lee-Kim MW 12:30pm - 1:45pm	Seats (Total: 42) EDU 3315

EDHD313 **Creative Experiences for Young Children**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Early Childhood Education program. Credit only granted for: EDHD313 or EDCI313. Formerly: EDCI313.

Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom.

0101	Elisa Klein W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 30) EDU 0212

EDHD314 **Reading in Early Childhood Classroom: Instructions and Materials Part I**

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Must be in Early Childhood Education program.

This course introduces early childhood students to current research and methods on teaching reading.

0101	Donald Bolger Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 30) EDU 1107

EDHD319 Selected Topics in Human Development

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in human development in relation to contemporary culture.

Contact department for information to register for this course.

EDHD320 Human Development Through the Life Span

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Denis Dumas TuTh 2:00pm - 3:15pm	Seats (Total: 45) SQH 1117
0201	Jeeyoung Noh MW 11:00am - 12:15pm	Seats (Total: 45) CCC 1111
0301	Robert Marcus TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119
0401	Robert Marcus Tu 4:15pm - 7:00pm *Restricted to pre-nursing majors.*	Seats (Total: 45) EDU 3315
0501	Denis Dumas TuTh 9:30am - 10:45am	Seats (Total: 45) EDU 0212

EDHD386 Experiential Learning

(Perm req) Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.

Contact department for information to register for this course.

EDHD400 Introduction to Gerontology

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Th 2:00pm - 4:45pm	Seats (Total: 194) EGR 1202
0201	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 40) EDU 1107
0301	Elizabeth Robertson-Tchabo W 4:15pm - 7:00pm	Seats (Total: 50) JMZ 0105

EDHD411 Child Growth and Development

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Instructor: TBA MW 11:00am - 12:15pm *Restrcited to Education majors only with the following major codes: 0802L, 0802P, 0808L, 0808P*	Seats (Total: 40) SQH 1117
0201	Instructor: TBA MW 2:00pm - 3:15pm *Restrcited to Education majors only with the following major codes: 0802L, 0802P, 0808L, 0808P*	Seats (Total: 40) EDU 3315

0301	Instructor: TBA	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1117

EDHD413 **Adolescent Development**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0101	Jennie Lee-Kim	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EDU 3315
	Restricted to major codes 0831L,0831P, 0834L, 0834P, 0833L, 0833P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 08320, 0804L and 0804P.	
0201	Jennie Lee-Kim	Seats (Total: 40)
	MW 11:00am - 12:15pm	HBK 0109

EDHD415 **Social Competence in Young Children**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Early Childhood Education program; and junior standing or higher.

Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

0101	Brenda Jones Harden	Seats (Total: 30)
	W 2:00pm - 4:50pm	HBK 0109

EDHD419B **Human Development and Learning in School Settings; Human Development and Learning**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advanced study of human development and learning in different phases of school program over a period of time.

Prerequisite: permission of department. Advanced study of human development and learning in different phases of school program over a period of time. Restricted to students who completed EDHD419A in the preceding Fall semester. Students should allow an appropriate amount of travel time to transition from the off-campus experience to your classes meeting on campus.

0101	Natasha Cabrera Tu 1:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 28) EDU 1315

EDHD420 **Cognitive Development and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department.

Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Instructor: TBA MW 9:30am - 10:45am	Seats (Total: 30) ARC 1105
0201	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 30) ARC 1105

EDHD421 **Peer Relations**

Credits: 3 Grading Method: Regular

Recommended: EDHD411.

Historical and theoretical underpinnings to contemporary research on peer interactions, relationships, and groups. Focus on (1) inter-dependencies of individual characteristics, social behaviors, social relationships; (2) relations between familial factors and extra-familial peer interactions and relationships; (3) normal and abnormal peer relationships; and (4) cross cultural universals and differences.

Also offered as EDHD711. Credit granted for EDHD421 or EDHD711.

0101	Kenneth Rubin Tu 1:15pm - 4:00pm	Seats (Total: 10) EDU 1108

EDHD424 **Culture and Community Perspectives: The Diverse World of the Child**

(Perm req)

Credits: 3 Grading Method: Regular

Corequisite: EDHD419, EDHD314, EDHD313, and EDSP470. Restriction: Junior standing or higher; and must be in Early Childhood Education program.

Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

0101	Christy Tirrell-Corbin M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 30) EDU 0212

EDHD425 **Language Development and Reading Acquisition**

(Perm req)

Credits: 3 Grading Method: Regular

This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading.

Restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

0101	Donald Bolger M 1:00pm - 3:45pm	Seats (Total: 40) EDU 2119

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

(Perm req)

Credits: 3 Grading Method: Regular

Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.

Restricted to major codes 0831L, 0831P, 0833L, 0833P, 0843L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L, 0844P.

0101	Angelica Smith Tu 7:00pm - 9:45pm	Seats (Total: 45) EDU 3315

EDHD430 **Adolescent Violence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.

Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EDU 1121

EDHD432 **Student Teaching Pre-K-3**

Credits: 12 Grading Method: Sat-Fail

Prerequisite: EDHD323, EDHD322, EDHD321, EDHD435, and EDHD427. Corequisite: EDCI464. Restriction: Must be in Early Childhood Education program; and senior standing or higher.

Students must pay a $750.00 lab fee.

0101	Rebecca Hessong Grove	Seats (Total: 40)
	Contact instructor or department for details.	

EDHD436 **Cognition and Motivation in Reading: Reading Acquisition for Middle School Students**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cognitive and motivational processes of reading and learning from texts across subjects. Structured approaches to using text for content learning based on approaches to knowledge, motivation, and strategies. Classroom contexts that enable middle school students to engage with diverse texts and Internet resources are provided.

0101	Renae McPherson	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 1121
	Restricted to 0804L and 0804P major codes.	

EDHD460 **Educational Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.

Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Patricia Alexander	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	SQH 1117

EDHD489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDHD498V **Special Problems in Education; Interpersonal Relationship in Childhood and Addolescence**

(Perm req)

Credits: 3 Grading Method: Regular

Available only to students who have definite plans for individual study of approved problems.

0101	Kenneth Rubin	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD624 **Cognitive and Motivational Bases of Reading; Reading in Content Areas I and II**

Credits: 6 Grading Method: Regular, Audit

Credit only granted for: EDHD624 or EDHD779G. Formerly: EDHD779G.

Fundamental processes of student engagement in reading for secondary teachers. Processes related to how middle school and high school students gain knowledge in content fields, how students learn and use strategies for gaining knowledge, and motivations for learning from a variety of texts.

Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

Credits: 1 Grading Method: Regular, Audit

A seminar and colloquia series featuring speakers from the department, the college, the university, and other universities and institutions from across the world that aims to cover issues pertaining to contemporary theory and research in human development.

0101	Melanie Killen	Seats (Total: 25)
	W 12:20pm - 2:45pm	EDU 1121

EDHD635 **Adolescents at Risk**

Credits: 3 Grading Method: Regular, Audit

Recommended: EDHD600. Credit only granted for: EDHD635 or EDHD779L. Formerly: EDHD779L.

Study of current research on risky behaviors that impact adolescent student learning and achievement particular in underserved populations. General diversity issues and topics specific issues that put adolescents at risk for academic failure and other negative trajectories will be explored.

Contact department for information to register for this course.

EDHD674 **Self Processes in Adolescence: Implications for Academic Achievement and School Adjustment**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHD619L or EDHD674. Formerly: EDHD619L.

Study of the development of the self from infancy through adolescence, and examination of the literature on the self processes of special adolescent populations as they relate to achievement-related orientations and school adjustment in secondary settings.

Contact department for information to register for this course.

EDHD711 **Peer-Culture and Group Processes in Human Development**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of EDUC-Human Development and Quantitative Methodology department.

The process of group formation, role-taking and status-winning, and the emergence of the peer-culture during childhood and the evolution of the child society at different maturity levels to adulthood. The developmental tasks and adjustment problems associated with winning, belonging, and playing roles in the peer group.

Also offered as EDHD421. Credit granted for EDHD421 or EDHD711.

0101	Kenneth Rubin	Seats (Total: 5)
	Tu 1:15pm - 4:00pm	EDU 1108

EDHD718 **Apprenticeship in College Teaching**

(Perm req)

Credits: 1 Grading Method: Regular

For graduate students teaching autonomously for the first, second, or third tiem at the University of Maryland, College Park; not intended for teaching assistants. This course provides graduate student teachers with a set of structured experiences that foster professional growth and development in the role of college instructor. Includes seminars on the scholarship of college teaching and principles of optimal college classroom environments, peer and faculty in-class observations of teaching, and guided reflective analysis of experience in the classroom.

0101	Ann Battle	Seats (Total: 10)
	F 1:00pm - 3:30pm	EDU 3236

EDHD751 **Child Development and Poverty**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDHD720; or permission of EDUC-Human Development and Quantitative Methodology department.

This course examines the theoretical, methodological, and empirical literature on the effects of poverty on children's development from a multidisciplinary perspective. It includes basic concepts in methodology, measurement design, and issues related to connecting basic research on poverty and children to policy and program interventions.

0101	Natasha Cabrera	Seats (Total: 20)
	W 9:30am - 12:15pm	EDU 1108

EDHD775 **Human Development and Neuroscience**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: EDHD601; or permission of EDUC-Human Development and Quantitative Methodology department.

Course focuses on the biological bases of human behavior including physiological processes which have an impact on human development.

0101	Nathan Fox	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 0202

EDHD780 **Research Methods in Human Development**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS651; or permission of EDUC-Human Development and Quantitative Methodology department.

Research methodology for studying human development: research design, hypothesis formulation, instrument development, methodological and statistical approaches, survey of methodologies.

0101	Kathryn Wentzel	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1315

EDHD789 **Internship in Human Development**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experience in one or more human service agencies in the community.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Independent research supervised by an instructor in a research setting.

Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for master's thesis.

Limited to human development majors.

Contact department for information to register for this course.

EDHD820 **Advanced Topics in Social Development**

Credits: 3 Grading Method: Regular

Prerequisite: EDHD720; or permission of EDUC-Human Development and Quantitative Methodology department. Credit only granted for: EDHD820 or EDHD821. Formerly: EDHD821.

Advanced doctoral seminar on socialization and social development with consideration of selected topics. Identification of research problems and areas of application.

0101	Melanie Killen	Seats (Total: 20)
	Th 1:00pm - 3:45pm	EDU 2102

EDHD888 **Apprenticeship in Human Development Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprenticeship in Human Development research.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Field experience in applied human development at a professional level o competence in a particular role with appropriate supervision.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Registration required to 12-18 hours for a Ph.D. dissertation.

Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed Spring 2015

EDHI338 **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

Prerequisite: To register for EDPL338, you must first complete an on-line registration form.

Contact department for information to register for this course.

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Race/Ethnicity**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0101	Alison Mojto, Beth Cohen	Seats (Total: 14)
	Meets March 24, 2015 - May 5, 2015	
	Tu 6:45pm - 8:45pm	MMH 2411C

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Gender**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0101	Michele Prince, Neal McKinney, Beth Cohen	Seats (Total: 14)
	Meets March 25, 2015 - May 4, 2015	
	M 4:30pm - 6:30pm	MMH 2411C

0201	Beth Cohen, Michelle Strange, Jeremy Gombin-Sperling **Meets March 24, 2015 - May 5, 2015** Tu 4:30pm - 6:30pm	Seats (Total: 14) SSU 0110

EDHI338D **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; (Dis)Ability**

(Perm req)

Credits: 1 | Grading Method: Regular, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0101	Izetta Mobley, Beth Cohen, Jacqueline Mac **Meets March 25, 2015 - May 6, 2015** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0101	Beth Cohen, Naaz Khan **Meets March 27, 2015 - May 5, 2015** F 3:00pm - 5:00pm	Seats (Total: 14) MMH 2411C

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Status**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0201	Beth Cohen, Benjamin Parks	Seats (Total: 14)
	Meets March 25, 2015 - May 6, 2015	
	W 4:30pm - 6:30pm	MMH 1310A

EDHI338R **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Immigration**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0201	Natalie Vinski, Judith Martinez, Beth Cohen	Seats (Total: 14)
	Meets March 24, 2015 - May 5, 2015	
	Tu 4:30pm - 6:30pm	MMH 2411C

EDHI338T **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; College Park Community/Campus**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

0101	Beth Cohen, Tricia Homer	Seats (Total: 10)
	Meets March 25, 2015 - May 6, 2015	
	W 6:00pm - 8:00pm	Location: TBA

EDHI489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDHI605 **Comparative Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI605, EDPL605, or EDPS605. Formerly: EDPL605.

Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.

0101	Nelly Stromquist	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3233

EDHI607 **Culture and Education in a Global Context**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI607, EDPL607, or EDPS607. Formerly: EDPL607.

Examines cultural theories and analyzes cultural influences in education. Course materials and discussion critically analyze cultural transmission and schooling practices. Also examined are politics of culture, multiculturalism, global cultural clashes, and educators as critical culture workers.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1315

EDHI653 **Organization and Administration of Higher Education**

Credits: 3 Grading Method: Regular

Credit only granted for: EDHI653, EDPL653, or EDPS653. Formerly: EDPL653.

Basic concepts and terminology related to organizational behavior and institutional governance structures. The governance and organization of higher education in the United States.

0101	Alberto Cabrera	Seats (Total: 20)
	Th 7:00pm - 9:45pm	EDU 1107

EDHI662 **Research on Ethnic Minorities and Demographic Trends in Higher Education**

Credits: 3 Grading Method: Regular

Credit only granted for: EDHI662, EDPL662, or EDPS662. Formerly: EDPL662.

Current research on ethnic minority student populations including issues of access, campus climate, racial identity, achievement and motivation. In addition to student issues, course examines issues for faculty of color in higher education, curriculum and teaching, and leadership and governance. The application of broad demographic changes in the nation and their impact on higher education over time.

0101	Sharon Fries-Britt	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2101

EDHI665 **College Access and Choice**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI665 or EDHI788L. Formerly: EDHI788L.

Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

0101	Alberto Cabrera	Seats (Total: 20)
	W 4:15pm - 7:00pm	KNI 1105

EDHI666 **The Academic Profession**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI666 or EDHI788P. Formerly: EDHI788P.

Explores how faculty demographics, discipline, graduate socialization, and organizational context (institutional type, mission, and culture) matter to critical higher edcuation outcomes, such as student learning, community engagement, research, shared governance and access and equity.

0101	KerryAnn O'Meara M 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDHI667 **Women in Higher Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI667 or EDHI788A. Formerly: EDHI788A.

A comprehensive overview of the history, present condition, and current research on women students, faculty, adminstrators, and staff in higher education. Explores why and how women and men experience higher educaton differently, by drawing on historical, cultural, and psychological contexts, feminist theoretical and research perspectrives and recent research in various disciplines.

0101	KerryAnn O'Meara M 7:00pm - 9:45pm	Seats (Total: 20) EDU 3233

EDHI679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDHI689 **Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.

Contact department for information to register for this course.

EDHI701 **Applied Research and Data Based Decision Making**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Introductory knowledge of statistics. Credit only granted for: EDHI701, EDPL701, or EDPS701. Formerly: EDPL701.

Examines quantitative research methodologies and data systems used by e ucation researchers and leaders to investigate, develop and improve scho ol policies and practices.

IH40	Thomas Davis	Seats (Total: 16)
	Meets March 6, 2015 - March 28, 2015	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	Contact instructor or department for details.	
	PGCPS II EdD Outreach Program. Registration restricted to program participants.	

EDHI740 **Managing Educational Organizations in a Diverse Society**

Credits: 3-6 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI740, EDPL740, or EDPS740. Formerly: EDPL740.

Contemporary social and cultural influences that impact on the management of educational organizations in a diverse society. The effects on schools of changes in the economy, family structure, demographics and technology.

IH40	Stephanie Brown	Seats (Total: 16)
	Meets January 9, 2015 - February 14, 2015	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	PGCPS II EdD Outreach Program. Registration restricted to program participants.	

EDHI747 **Advanced Seminar on Instructional Improvement**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: EDHI647. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI747, EDPL747, or EDPS747. Formerly: EDPL747.

Current issues, trends, and problems in the areas of instructional improvement and the supervisory responsibilities of school-based administrators.

AA/SMC EdD Outreach Program. Registration restricted to program participants.

IH80	John Norris	Seats (Total: 20)
	Meets April 10, 2015 - May 9, 2015	
	F 5:00pm - 8:00pm	Location: TBA
	Sa 9:00am - 4:00pm	Location: TBA
	Contact instructor or department for details.	
	AA/SMC EdD Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	

EDHI755 **Federal Policies in Post-Secondary Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI755, EDPL755, or EDPS755. Formerly: EDPL755.

Evolution of the federal role, its current scope and funding. Policy issues associated with federal student aid programs, research grants and social equity regulations.

0101	Marvin Titus	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2101

EDHI788M **Special Topics in Education Policy and Administration; State-Level Higher Education Research**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Marvin Titus	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 3233

EDHI788T **Special Topics in Education Policy and Administration; International Education and Cultural Exchange: Policies and Practices**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Erin Carlini, Anne Corwith	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2102

EDHI788X **Special Topics in Education Policy and Administration; International Investigations in Cuban Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI789 **Doctoral Practicum in Administration and Supervision**

Credits: 1-3 Grading Method: Sat-Fail

Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

3501	Alberto Cabrera	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI889 **Internship in Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Spring 2015

EDMS410 **Classroom Assessment**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Junior standing or higher.

Developing and using classroom assessments, including tests, performanc assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad TuTh 9:30am - 10:45am	Seats (Total: 30) ONLINE
0201	Kathryn Alvestad TuTh 2:00pm - 3:15pm	Seats (Total: 30) ONLINE

EDMS451 **Introduction to Educational Statistics**

Credits: 3 Grading Method: Regular, Audit General Education: FSAR

Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Xiaying Zheng TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 2309
0201	Daniel Lee TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 1121
0301	Ji An MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0401	Kathryn Alvestad TuTh 12:30pm - 1:45pm	Seats (Total: 30) ONLINE

EDMS610 **Classroom Assessment and Evaluation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

IH80	Kathryn Alvestad **Meets January 23, 2015 - February 14, 2015** Contact instructor or department for details. *AA/SMC EdD Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 20)

EDMS645 **Quantitative Research Methods I**

Credits: 3 Grading Method: Regular, Audit

Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Instructor: TBA Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 1121
0201	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1117

EDMS646 **Quantitative Research Methods II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS645; or an equivalent introductory statistics course.

A first post-introductory inferential statistics course, with emphasis on analysis of variance procedures and designs from within the general linear modeling framework. Assignments include student analysis of education and related data; application of statistical software packages is emphasized.

0101	Instructor: TBA W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDMS651 **Applied Multiple Regression Analysis**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department.

Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; software for regression analysis.

0101	Jeffrey Harring Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDMS655 **Introduction to Multilevel Modeling**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS651; or students who have taken courses with comparable content may contact the department.

Introduction to multilevel models and methodology as strategies for modeling change and organizational effects.

0101	Laura Stapleton Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212

EDMS722 **Structural Modeling**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS657.

Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

0101	Gregory Hancock Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDMS724 **Modern Measurement Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS623 and EDMS651.

Theoretical formulations of measurement from a latent trait theory perspective.

0101	Hong Jiao M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDMS769B **Special Topics in Applied Statistics in Education; Bayesian Inference and Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Designed primarily for students majoring or minoring in measurement, statistics or evaluation.

Prerequisite: permission of department.

0101	Tracy Sweet W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDMS771 **Multivariate Data Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS651.

Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

0101	Jeffrey Harring W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDMS798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Prerequisite: permission of department.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of 6 credits.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

Credits: 3-8 Grading Method: Regular, Audit

Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Registration required to the extent of 12 credits.

Contact department for information to register for this course.

EDPS Education Policy Studies Spring 2015

EDPS210 **Historical and Philosophical Perspectives on Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210.

An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Instructor: TBA Tu 10:00am - 12:45pm	Seats (Total: 30) EDU 1107
0201	Steven Stakland TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 0114
0301	Steven Stakland TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDPS301 **Foundations of Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.

Social context of education and conflicts over philosophies, values, an goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Molly Dunn MW 9:30am - 10:45am	Seats (Total: 30) EDU 1121
0201	Lisa Swayhoover MW 11:00am - 12:15pm	Seats (Total: 30) WDS 1114
0301	Lisa Eaker Tu 10:00am - 12:45pm	Seats (Total: 30) COL 0101
0401	Lisa Eaker Th 10:00am - 12:45pm	Seats (Total: 30) EDU 1107
0501	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 30) WDS 0104
0601	Kevin Shindel W 4:15pm - 7:00pm	Seats (Total: 30) COL 0113

EDPS489 **Field Experiences in Education**

(Perm req)

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDPS613 **Educational Sociology**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: EDHI613, EDPL613, or EDPS613. Formerly: EDPL613.

The sociological study of education as an evolving set of methods and procedures, and body of knowledge. Focuses on several major theoretical perspectives used by sociologists studying education.

0101	Robert Croninger	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0202

EDPS615 **Economics of Education**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: EDHI615, EDPL615, or EDPS625. Formerly: EDPL615.

An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.

0101	Jennifer Rice	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 2121

EDPS679 **Master's Seminar**

Credits: 3

Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDPS736 **Phenomenological Inquiry II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDPS735. Credit only granted for: EDHI736, EDPL736, or EDPS736. Formerly: EDPL736.

This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	EDU 3236

EDPS751 **Law, Equity, and Diversity in Education**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDHI651 or EDHI671; or permission of instructor. Credit only granted for: EDHI751, EDPL751, or EDPS751. Formerly: EDPL751.

An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.

0101	Ethan Hutt	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0114

EDPS788F **Special Topics in Education Policy and Administration; Education Policy and the Politics of Education Reform**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Tirza Wilbon White	Seats (Total: 24)
	W 4:15pm - 7:00pm	EDU 3236

EDPS788K **Special Topics in Education Policy and Administration; Alternative Learning and Democratic Schooling**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Kellie Rolstad	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0206

EDPS788T **Special Topics in Education Policy and Administration; Core II**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Andrew Brantlinger, Tirza Wilbon White	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1315

EDPS789 **Doctoral Practicum in Administration and Supervision**

Credits: 1-3 Grading Method: Sat-Fail

Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDSP Education, Special Spring 2015

EDSP210 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.

Characteristics and needs of individuals receiving special education an related services. Current issues and practices in special education.

0101	Instructor: TBA	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	EDU 0212

0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 0212

EDSP211 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: EDHD210. Restriction: Sophomore standing or lower; and permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDSP210 or EDSP470.

An introduction to the field of special education. Students examine historical foundations, including legislation; review components necessary for effective service delivery; and develop an understanding of the role of collaboration and consultation with parents, school personnel and other professionals. In addition, students are introduced to the nature and characteristics of various disabilities and review current issues in the field including overrepresentation of minority students in special education, inclusion, and federal and state assessment mandates. Current topics are addressed including evidence-based practices, universal design for learning, and individualization and differentiation of instruction..

0101	Joan Lieber W 1:00pm - 3:45pm	Seats (Total: 20) EDU 3236

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3 Grading Method: Regular General Education: DSSP, DVCC

Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

0101	Carolyn Fink Th 2:20pm - 3:50pm Tu 3:00pm - 5:00pm	Seats (Total: 28) EDU 3315 Location: TBA	 Lab

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DSHS, DVUP, SCIS

0101	Instructor: TBA Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 20) SQH 1119 EDU 0206	Discussion
0201	Instructor: TBA Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 20) SQH 1119 EDU 2101	Discussion
0301	Instructor: TBA Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 20) SQH 1119 EDU 1315	Discussion

EDSP376 **Fundamentals of Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham MW 6:15pm - 7:30pm	Seats (Total: 30) TWS 0214	
0201	Michael Dunham Th 5:00pm - 7:30pm	Seats (Total: 30) TWS 0207	

EDSP403 **Instruction of Students with Physical Disabilities**

Credits: 3 Grading Method: Regular, Audit

Also offered as: EDSP603. Credit only granted for: EDSP403 or EDSP603.

Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315	

EDSP410 **Functional Reading and Community Based Instruction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Special Education program. Also offered as: EDSP614. Credit only granted for: EDSP410 or EDSP614.

Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Monica Simonsen	Seats (Total: 35)
	M 4:15pm - 7:00pm	EDU 0220

EDSP415 **Assessment in Special Education**

Credits: 3 Grading Method: Regular, Audit

Recommended: STAT100; or SOCY201. Restriction: Must be in Special Education program. Also offered as: EDSP615. Credit only granted for: EDSP415, or EDSP615.

Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

0101	Instructor: TBA	Seats (Total: 35)
	M 1:15pm - 4:00pm	EDU 1121

EDSP416 **Reading and Writing Instruction in Special Education I**

Credits: 3 Grading Method: Regular, Audit General Education: DSHU

Restriction: Must be in Special Education program. Also offered as: EDSP616. Credit only granted for: EDSP416 or EDSP616.

Assessment and instruction of reading and writing skills for students in special education.

0101	Ana Taboada Barber	Seats (Total: 40)
	W 1:15pm - 4:00pm	EDU 0212

EDSP423 **Assessment in Early Childhood Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program. Credit only granted for: EDSP423 or EDSP624.

Assessment procedures for infants and young children with disabilities, birth through grade 3.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 3315	

EDSP424 **Field Placement in Special Education: Early Childhood II**

Credits: 2-4 Grading Method: Regular, Audit

Restriction: Must be in Special Education program.

Field experience in early childhood special education.

Students must reserve three half days (8-1) for this experience. Special education majors only.

0101	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 10) EDU 1107 Location: TBA	Lab
0201	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 5) EDU 1107 Location: TBA	Lab

EDSP430 **Early Intervention: Early Childhood Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program. Credit only granted for: EDSP430 or EDSP631.

Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Sandra Newcomb, Paula Beckman W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP435 **Field Placement in Special Education: Secondary Middle II**

Credits: 2-4 Grading Method: Regular, Audit

Restriction: Must be in Special Education program.

Field experience in secondary middle special education.

0101	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 10) EDU 1107 Location: TBA	Lab

EDSP454 **Field Placement in Special Education: Elementary II**

Credits: 2-4 Grading Method: Regular, Audit

Restriction: Must be in Special Education program.

Field experience in elementary special education.

0101	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 10) EDU 1107 Location: TBA	Lab
0201	Instructor: TBA F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 10) EDU 1107 Location: TBA	Lab

EDSP470 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

EC/ECSE majors should register for EDSP211.

0101	Susan De La Paz W 4:15pm - 7:00pm	Seats (Total: 50) EDU 1107
0201	Susan De La Paz M 4:15pm - 7:00pm	Seats (Total: 50) EDU 1107

EDSP474 **Assessment in Middle/Secondary Special Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Special Education program. Also offered as: EDSP674. Credit only granted for: EDSP474 or EDSP674.

Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 2102

EDSP476 **Communicating with Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Michael Dunham MW 5:00pm - 6:15pm	Seats (Total: 30) TWS 1107
0201	Michael Dunham MW 3:45pm - 5:00pm	Seats (Total: 30) TWS 1107

EDSP485 **Assessment and Instruction in Mathematics in Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP683. Credit only granted for: EDSP485 or EDSP683.

Instructional methods and assessment in mathematics in special education.

0101	Jason Miller Th 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.*	Seats (Total: 45) EDU 1107

EDSP489 **Field Experiences in Special Education**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

EDSP498 **Special Problems in Special Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

0101	Shannon Hayes	Seats (Total: 9)
	Contact instructor or department for details.	

EDSP498C **Special Problems in Special Education; Inquiry, Responsive Teaching, Scientific Argumentation, and Writing**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

Contact department for information to register for this course.

EDSP499 **Workshops, Clinics, and Institutes in Special Education**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

The following type of educational enterprise may be scheduled under this course heading: workshops conducted by the special education department (or developed cooperatively with other departments, colleges and universities) and not otherwise covered in the present course listing. Laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals and supervisors.

Contact department for information to register for this course.

EDSP603 **Instruction of Students with Physical Disabilities**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP403. Credit only granted for: EDSP403 or EDSP603.

Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315
IH15	Frances Kohl Th 4:30pm - 7:00pm	Seats (Total: 16) Location: TBA
	Special Ed Outreach Program. Registration restricted to program participation.	

EDSP605 **The Exceptional Child and Society**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Relationship of the role and adjustment of the child with an exceptionality to societal characteristics.

Contact department for information to register for this course.

EDSP614 **Advanced Topics in Functional Reading and Community Based Instruction**

Credits: 3 Grading Method: Regular

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP410. Credit only granted for: EDSP410 or EDSP614.

Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Monica Simonsen M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP615 **Evaluation and Measurement of Exceptional Children and Youth**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDSP600 and EDMS646; or permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP415. Credit only granted for: EDSP415 or EDSP615.

Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

0101	Instructor: TBA M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121

EDSP616 **Reading and Writing Instruction in Special Education I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP416. Credit only granted for: EDSP416 or EDSP616.

Assessment and instruction of reading and writing skills and strategies for students in special education.

0101	Ana Taboada Barber W 1:15pm - 4:00pm	Seats (Total: 40) EDU 0212

EDSP624 **Assessment in Early Childhood Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP423. Credit only granted for: EDSP423 or EDSP624.

Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 3315

EDSP631 **Early Intervention: Early Childhood Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP430. Credit only granted for: EDSP430 or EDSP631.

Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman, Sandra Newcomb W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP670 **Single Subject Research Designs**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101	Andrew Egel Tu 7:00pm - 9:45pm	Seats (Total: 25) EDU 1121
IH15	Andrew Egel M 5:15pm - 8:00pm	Seats (Total: 16) Location: TBA

EDSP674 **Assessment in Middle/Secondary Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP474. Credit only granted for: EDSP474 or EDSP674.

Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 2102

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP485. Credit only granted for: EDSP485 or EDSP683.

Instructional methods and assessment in mathematics in special education.

0101	Jason Miller	Seats (Total: 45)
	Th 4:15pm - 7:00pm	EDU 1107

EDSP687 Family Partnerships in Special Education

Credits: 3 Grading Method: Regular

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP487. Credit only granted for: EDSP487 or EDSP687.

Strategies for communicating and working with families of students with disabilities.

Contact department for information to register for this course.

EDSP690 Teacher Candidate Research Seminar in Special Education

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program.

Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Martha Moon, Frances Kohl	Seats (Total: 15)
	Contact instructor or department for details.	
	Section 0101 is for Master's Certification Program students.	
0201	Frances Kohl, Martha Moon	Seats (Total: 30)
	Contact instructor or department for details.	
	Section 0201 is for 5-Year Program students.	

EDSP694 Graduate Internship in Special Education II: Early Childhood

Credits: 6-11 Grading Method: Regular, Audit

Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP494, EDSP694, or EDSP889A.

Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities.

Students must pay a $750.00 lab fee.

0101	Anne Butler, Stacey Williams	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP695 **Graduate Internship in Special Education II: Elementary**

Credits: 6-11 Grading Method: Regular, Audit

Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must not be in Special Education (Master's) program. Credit only granted for: EDSP495, EDSP694, or EDSP888A.

Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings.

Students must pay a $750.00 lab fee.

0101	Anne Butler, Patricia Ulf	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP696 **Graduate Internship in Special Education II: Secondary Middle**

Credits: 6-11 Grading Method: Regular, Audit

Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP496, EDSP696, or EDSP889A.

Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings.

Students must pay a $750.00 lab fee.

0101	Patricia Ulf	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP798 **Special Problems in Special Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Special education majors only.

Contact department for information to register for this course.

EDSP798K **Special Problems in Special Education; Language and Literacy Difficulties: Research and Practice**

Credits: 3 Grading Method: Regular, Audit

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

0101	Rebecca Silverman	Seats (Total: 10)
	Th 4:15pm - 7:00pm	ASY 3219

EDSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Special education majors only.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

(Perm req)

Credits: 3-8

Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Special education majors only.

Contact department for information to register for this course.

EDUC Education Spring 2015

EDUC388 **Special Topics in Education; Guided Experiences in College Teaching**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Restricted to students approved as undergraduate teaching assistants. Section 0101 is reserved for standard UTA program and should be taken concurrently with EDUC498, 0101 for one credit.

0101	Thomas Eacho Tu 5:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 30) ASY 3215
0201	Sharon Vanwright Contact instructor or department for details. Contact instructor or department for details. *Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.*	Seats (Total: 20)

EDUC388H **Special Topics in Education; Honors Synthesis Seminar II**

(Perm req)

Credits: 2 Grading Method: Regular General Education: DSSP

Seminar restricted to students admitted to the College of Education Honors Program.

0101	Christy Tirrell-Corbin	Seats (Total: 20)
	M 4:15pm - 6:15pm	EDU 3236

EDUC498 **Selected Topics in Education**

(Perm req)

Credits: 1 Grading Method: Regular

Current topics and issues in education.

0101	Thomas Eacho	Seats (Total: 60)
	Contact instructor or department for details.	

EDUC499H **Honors Thesis**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Individual thesis work under supervision of faculty advisors; includes periodic seminar meetings with other honors students engaged in thesis work.

Course restricted to students admitted to College of Education honors program.

0101	Christy Tirrell-Corbin	Seats (Total: 14)
	Contact instructor or department for details.	

EDUC698E **Advanced Topics in Education; International Program Fellows**

Credits: 1-3 Grading Method: Regular

Arranged study on specific topics in education.

Contact department for information to register for this course.

EDUC888 **Applied Apprenticeship in Education**

Credits: 1 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.

PGCPS II EdD Outreach Program. Registration restricted to program participants.

IH42	Patricia Richardson Contact instructor or department for details. *PGCPS II EdD Outreach Program. Registration restricted to program participants.*	Seats (Total: 16)
IH81	Margaret McLaughlin, John Norris Contact instructor or department for details. *AA/SMC EdD Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 10)
IH82	Patricia Richardson Contact instructor or department for details. *AA/SMC EdD Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 4)
IH84	David Imig Contact instructor or department for details. *AA/SMC EdD Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 4)

EDUC898 **Pre-Candidacy Research**

Credits: 3 Grading Method: Regular

Pre-Candidacy Research

IH41	Margaret McLaughlin, John Norris Contact instructor or department for details. *AA/SMC EdD Outreach Program. Registration restricted to program paticipants. Restriction: Department permission required.*	Seats (Total: 10)
IH43	Thomas Davis Contact instructor or department for details. *PG EdD Outreach Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 3)
IH44	David Imig Contact instructor or department for details. *PG EdD Outreach Program. Registration restricted to program participants. Restriction: Department permission required.*	Seats (Total: 3)

IH45	Stephanie Brown	Seats (Total: 3)
	Contact instructor or department for details.	
	PG EdD Outreach Program. Registration restricted to program participants. Restriction: Department permission required.	

EDUC899 **Dissertation of Practice Research**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Registration required to the extent of 6-9 hours for an Ed.D. Dissertation.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Spring 2015

ENAE200 **Aerospace Engineering Profession II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENAE100. Restriction: Must be in Engineering: Aerospace program; and permission of ENGR-Aerospace Engineering department.

Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

0101	Instructor: TBA Tu 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 30) EGR 1202 KEB 2107	 Lab
0102	Instructor: TBA Tu 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0103	Instructor: TBA Tu 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) EGR 1202 KEB 2107	 Lab

ENAE202 **Aerospace Computing**

Credits: 3 Grading Method: Regular

Corequisite: MATH140. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0101	Robert Sanner MW 1:00pm - 1:50pm Th 3:00pm - 5:00pm	Seats (Total: 26) EGR 1202 KEB 2107	 Lab
0102	Robert Sanner MW 1:00pm - 1:50pm F 3:00pm - 5:00pm	Seats (Total: 26) EGR 1202 EGR 0312	 Lab
0103	Robert Sanner MW 1:00pm - 1:50pm Th 1:00pm - 3:00pm	Seats (Total: 26) EGR 1202 KEB 2107	 Lab
0104	Robert Sanner MW 1:00pm - 1:50pm F 1:00pm - 3:00pm	Seats (Total: 26) EGR 1202 EGR 0312	 Lab

ENAE324 **Aerospace Structures**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220. Restriction: Must be in Engineering: Aerospace program.

Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

0101	Mary Bowden, Andrew Becnel MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 95) KEB 1110 KEB 1110	 Discussion

ENAE398H **Honors Research Project**

(Perm req)

Credits: 1-3 Grading Method: Regular

Planned sequence of steps in aerospace honors research in which student take three (3) consecutive semesters of this course in partial fulfillment of aerospace engineering honors program requirements. The first semester consists of a series of seminars and meetings with faculty mentors on honors research; two semesters consist of undergraduate honors research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference.

Contact department for information to register for this course.

ENAE404 **Space Flight Dynamics**

Credits: 3 Grading Method: Regular

Prerequisite: ENAE301. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 48) ITV 1111

ENAE414 **Aerodynamics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.

Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Andrew Lind, Anya Jones TuTh 9:30am - 10:45am	Seats (Total: 70) EGR 1108

ENAE415 **Helicopter Theory**

Credits: 3 Grading Method: Regular

Prerequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program.

Elementary exposition on the theory and practice of aerodynamics applie to helicopters and other rotary wing aircraft.

0101	James Baeder	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	EGR 3111

ENAE420 **Computational Structural Mechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220 and MATH241; and must have completed a course in linear algebra. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

0101	Sung Lee	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 0135

ENAE425 **Mechanics of Composite Structures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246, ENAE324, ENES220, and MATH241.

Introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Andrew Becnel, Norman Wereley	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMP 2121

ENAE432 **Control of Aerospace Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENAE301 and ENAE283. Restriction: Junior standing or higher; and must be in Engineering: Aerospace program.

An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

0101	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 110) CHE 2110	

ENAE464 **Aerospace Engineering Laboratory**

Credits: 3 Grading Method: Regular

Prerequisite: ENAE324, ENAE362, ENAE311, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

0101	Allen Winkelmann MW 8:00am - 8:50am M 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0102	Allen Winkelmann MW 8:00am - 8:50am Tu 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0103	Allen Winkelmann MW 8:00am - 8:50am W 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0104	Allen Winkelmann MW 8:00am - 8:50am Th 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0201	Raymond Sedwick MW 11:00am - 11:50am Th 2:00pm - 5:00pm	Seats (Total: 21) EGR 3106 EGR 1110	 Lab
0202	Raymond Sedwick MW 11:00am - 11:50am F 2:00pm - 5:00pm	Seats (Total: 21) EGR 3106 EGR 1110	 Lab

ENAE471 **Aircraft Flight Testing**

Credits: 3 Grading Method: Regular

Prerequisite: ENAE414. Corequisite: ENAE403. Restriction: Must be in Engineering: Aerospace program.

Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	Christopher Cadou	Seats (Total: 20)
	MW 2:00pm - 3:15pm	EGR 0135

ENAE482 **Aeronautical Systems Design**

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: ENAE455, ENAE423, ENAE403, and ENAE481. Restriction: Must be in Engineering: Aerospace program; and senior standing or higher.

Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

0101	Dominic Palumbo	Seats (Total: 55)
	MWF 1:00pm - 1:50pm	CHM 1402
0201	Sung Lee	Seats (Total: 12)
	MW 5:00pm - 6:15pm	EGR 0108

ENAE484 **Space Systems Design**

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: ENAE423, ENAE483, ENAE441, and ENAE457. Restriction: Must be in Engineering: Aerospace program.

Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

0101	Mary Bowden, David Akin, Andrew Becnel	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	ITV 1111

ENAE488C **Topics in Aerospace Engineering; Computational Fluid Dynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

Prerequisite: ENAE 311; ENAE 202; MATH 240, 246; Computer programming experience either in MATLAB, FORTRAN, C++, or Python An introduction to Computational Fluid Dynamics (CFD), with an emphasis on the application of CFD to predict fluid flow behavior for basic and moderately complex geometries. Introduces students to the entire process of CFD from grid generation, application of CFD solvers, and post-processing using state-of-the-art commercial software. Finite difference and finite volume methods, explicit and implicit schemes, solutions of elliptic, parabolic, and hyperbolic equations. Additionally, students will be provided with a fundamental understanding that will enable them to choose the right CFD tools, evaluate, and CFD results.

0101	Ashish Nedungadi TuTh 5:00pm - 6:15pm	Seats (Total: 15) EGR 1110

ENAE488F **Topics in Aerospace Engineering; Introduction to Aviation for Pilot Training**

Credits: 3 Grading Method: Regular

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

Prerequisite: ENAE283 or permission of department. Introduction to how pilots view the design of an aerospace vehicle. Topics include aerodynamic principles, pilot training, flight instruments, flight maneuvers, aeronautical charts and communication, aviation weather, & airplane performance and navigation.

0101	Instructor: TBA Tu 4:00pm - 6:40pm	Seats (Total: 30) JMP 2222
HT01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SG01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SM01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
TV01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ENAE488R **Topics in Aerospace Engineering; Planetary Rover Development**

(Perm req)

Credits: 3 Grading Method: Regular

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

0101	David Akin	Seats (Total: 25)
	Contact instructor or department for details.	

ENAE488T **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

Prerequisities: ENAE 362 and ENAE 311 or permission of the department. Areview of low speed wind tunnel design and wind tunnel testing techniques including force/moment measurements, surface measurements, flow field measurements and diagnostics and flow visualization.

0101	Allen Winkelmann	Seats (Total: 10)	
	MW 9:00am - 9:50am	JMP 2202	
	F 2:00pm - 5:00pm	EGL 0123	Lab

ENAE499 **Elective Research**

(Perm req)

Credits: 3 Grading Method: Regular

Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.

Contact department for information to register for this course.

ENAE602 **Spacecraft Attitude Dynamics and Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE404 and ENAE432.

Rigid body rotational dynamics of spacecraft; forced and unforced motion, torques produced by the orbital environment; orbit/attitude coupling; gas jet, momentum wheel, and magnetic torque actuators. Elementary feedback attitude regulators and algorithms for linear and nonlinear attitude tracking.

0101	Instructor: TBA M 5:30pm - 8:00pm	Seats (Total: 20) EGR 2116

ENAE633 **Helicopter Dynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.

Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

0101	Inderjit Chopra MW 4:00pm - 5:15pm	Seats (Total: 20) JMP 2120
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENAE634 **Helicopter Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.

Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

0101	Vengalattore Nagaraj, Inderjit Chopra F 1:00pm - 5:00pm	Seats (Total: 20) EGR 3102

ENAE635 **Helicopter Stability and Control**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE631. Restriction: Permission of ENGR-Aerospace Engineering department.

Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

0101	Roberto Celi TuTh 2:00pm - 3:15pm	Seats (Total: 10) EGR 3102

ENAE652 **Computational Structural Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor; and permission of ENGR-Aerospace Engineering department.

Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling.

0101	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 20) JMP 2222
HT01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
TV01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 10) Location: TBA

ENAE654 **Mechanics of Composite Structures**

Credits: 3 Grading Method: Regular

An introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley, Andrew Becnel MWF 10:00am - 10:50am	Seats (Total: 15) JMP 2121

ENAE656 **Aeroelasticity**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENAE655. Restriction: Permission of ENGR-Aerospace Engineering department.

Topics in aeroelasticity: wing divergence; aileron reversal; flexibility effects on aircraft stability derivatives; wing, empennage and aircraft flutter; panel flutter; aircraft gust response; and aeroservoelasticity of airplanes.

0101	David Haas F 2:00pm - 5:00pm	Seats (Total: 20) JMP 2217
SM01	David Haas F 2:00pm - 5:00pm	Seats (Total: 5) Location: TBA
TV01	David Haas F 2:00pm - 5:00pm	Seats (Total: 5) Location: TBA

ENAE665 **Advanced Airbreathing Propulsion**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENAE674 and ENAE455; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

Advanced treatment of airbreathing propulsion technologies, propulsion system analysis, and engine/airframe integration. Topics will vary, but may include novel engine cycles, advanced gas turbine systems, pulsed systems, and high-speed engines, including scramjets and combined cycle systems.

0101	Kenneth Yu TuTh 11:00am - 12:15pm	Seats (Total: 10) EGR 0135

ENAE676 **Turbulence**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENAE672. Recommended: ENAE674.

Physical and statistical descriptions of turbulence; review of phenomenological theories for turbulent flows; scales of motion; correlations and spectra; homogeneous turbulent flows; inhomogeneous shear flows; turbulent flows in pipes and channels; turbulent boundary layers; theory of methods for turbulent flows (Reynolds stress equations, LES, DES, DNS); experimental methods for turbulence measurements.

0101	Pino Martin	Seats (Total: 10)
	TuTh 9:30am - 10:45am	EGR 0135

ENAE683 **High Temperature Gas Dynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Aerospace Engineering department.

Aspects of physical chemistry and statistical thermodynamics necessary for the analysis of high temperature flows, equilibrium and nonequilibrium chemically reacting flows, shock waves, nozzle flows, viscous chemically reacting flow, blunt body flows, chemically reacting boundary layers, elements of radiative gas dynamics and applications to hypersonic vehicles.

0101	Stuart Laurence	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	EGR 3102

ENAE685 **Computational Fluid Dynamics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE684. Restriction: Permission of ENGR-Aerospace Engineering department.

Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

0101	James Baeder	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CHE 2116

ENAE691 **Satellite Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE483.

Systems design of Earth-orbiting satellites, including geostationary communications satellites and low Earth orbit constellations. Basics of orbital motion, communications, and instrument design. Spacecraft systems, structural design, thermal design, power generation, and attitude determination and control. Launch vehicle interfacing and mission operations.

0101	John Hrastar W 6:30pm - 9:00pm	Seats (Total: 35) EGR 0135

ENAE697 **Space Human Factors and Life Support**

Credits: 3 Grading Method: Regular, Audit

Engineering requirements supporting humans in space. Life support design: radiation effects and mitigation strategies; requirements for atmosphere; water, food, and temperature control. Accommodations for human productivity in space: physical and psychological requirements; work station design; and safety implication of system architectures. Design and operations for extra-vehicular activity.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMP 2217
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Akin Class time/details on ELMs	Seats (Total: 5) ONLINE

ENAE741 **Interplanetary Navigation and Guidance**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE601 and ENAE432.

Interplanetary trajectory construction; patched and multiconic techniques. Methods of orbit and attitude determination; applied Kalman filtering. Guidance algorithms and B-plane targeting. Interplanetary navigation utilizing in situ and radio techniques.

0101	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 20) EGR 2154

ENAE742 **Robust Multivariable Control**

Credits: 3 Grading Method: Regular, Audit

Limitations on achievable performance in multivariable feedback systems due to uncertainty. Singular values, matrix norms, multivariable Nyquist stability theory, uncertainty modeling in aerospace systems. Loop-shaping, generalization of Bode design principles. Characterizing the uncertainty, robustness and performance analysis, and synthesis, primarily in the frequency domain. Current research directions. Aerospace examples are used to complement the theory.

0101	James Humbert W 6:40pm - 9:00pm	Seats (Total: 20) EGR 3111

ENAE788F Selected Topics in Aerospace Engineering; Introduction to Aviation for Pilot Training

Credits: 3 Grading Method: Regular

Prerequisite: ENAE283 or permission of department. Introduction to how pilots view the design of an aerospace vehicle. Topics include aerodynamic principles, pilot training, flight instruments, flight maneuvers, aeronautical charts and communication, aviation weather, & airplane performance and navigation.

0101	Instructor: TBA Tu 4:00pm - 6:40pm	Seats (Total: 10) JMP 2222
HT01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SG01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
SM01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
TV01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ENAE788G Selected Topics in Aerospace Engineering; Advanced Dynamics of Aerospace Systems

Credits: 3 Grading Method: Regular, Audit

0101	Derek Paley TuTh 11:00am - 12:15pm	Seats (Total: 15) EGR 3102

ENAE788J Selected Topics in Aerospace Engineering; Fundamentals of Explosions 2: Achieving Control

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE 788A or permission of instructor. Explosions involve energy release and the creation and propagation of shock waves. They may occur naturally, as in the case of astrophysical explosions or volcanoes, and they are often unwanted, as in large-scale accidental explosions. Here we focus on a third category: explosions we create on purpose and how we try to control and use the energy output. The course material will consist of a review of the fundamentals principles of initiation and propagation of explosions, as covered in ENAE788A, and involve a series of guest experts speaking on topics such as ramjets, scramjets, rocket launch, shaped charges, and nuclear energy generation.

0101	Elaine Oran	Seats (Total: 10)
	MW 2:00pm - 3:15pm	SPH 0302

ENAE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENCE Engineering, Civil Spring 2015

ENCE100 **Introduction to Civil and Environmental Engineering**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker	Seats (Total: 100)
	F 1:00pm - 1:50pm	EGR 1202

ENCE200 **Civil Engineering Computation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202.

Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Frank White, Kaye Brubaker MW 2:00pm - 3:15pm	Seats (Total: 37) EGR 1156
0201	Frank White, Kaye Brubaker MW 3:30pm - 4:45pm	Seats (Total: 37) EGR 1156

ENCE201 **Engineering Information Processing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.

Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Peter Chang MWF 2:00pm - 2:50pm	Seats (Total: 75) KEB 1110

ENCE215 **Engineering for Sustainability**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.

Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Natasha Andrade TuTh 9:30am - 10:45am	Seats (Total: 65) KEB 1110	
0201	Natasha Andrade TuTh 1:00pm - 2:15pm	Seats (Total: 30) JMP 2121	

ENCE300 **Fundamentals of Engineering Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.

Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

0101	Instructor: TBA Tu 12:30pm - 2:30pm Th 10:00am - 12:00pm	Seats (Total: 18) JMZ 0105 EGL 0110E	 Lab
0102	Instructor: TBA Tu 12:30pm - 2:30pm Th 12:00pm - 2:00pm	Seats (Total: 18) JMZ 0105 EGL 0110E	 Lab
0103	Instructor: TBA Tu 12:30pm - 2:30pm Th 2:00pm - 4:00pm	Seats (Total: 18) JMZ 0105 EGL 0110E	 Lab
0104	Instructor: TBA Tu 12:30pm - 2:30pm Th 4:00pm - 6:00pm	Seats (Total: 18) JMZ 0105 EGL 0110E	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department.

Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

0101	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 65) EGR 1202

ENCE305 **Fundamentals of Engineering Fluids**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261, ENES220, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330.

The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0201	Barton Forman MWF 8:00am - 8:50am	Seats (Total: 45) EGR 0110
0301	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 40) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Baoxia Mi TuTh 8:00am - 9:15am	Seats (Total: 60) EGR 1108

ENCE320 **Introduction to Project Management**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

0101	Scott Macrae	Seats (Total: 108)
	M 5:00pm - 7:30pm	JMP 3201
	Click here for syllabus.	

ENCE340 **Fundamentals of Geotechnical Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.

Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek	Seats (Total: 55)
	TuTh 11:00am - 12:15pm	SPH 1302

ENCE353 **Introduction to Structural Analysis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220).

The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

0101	Mark Austin	Seats (Total: 62)
	MWF 9:00am - 9:50am	PLS 1130

ENCE360 **Analysis of Civil Engineering Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani TuTh 9:30am - 10:45am	Seats (Total: 38) SPH 1302
0201	Ali Haghani TuTh 11:00am - 12:15pm *Meets in CEE Design Lab.*	Seats (Total: 35) JMP 2202

ENCE370 **Introduction to Transportation Engineering and Planning**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261, ENCE201, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department.

Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

0101	Mark Franz MWF 1:00pm - 1:50pm	Seats (Total: 48) BPS 0283

ENCE402 **Simulation and Design of Experiments for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE302; and permission of ENGR-Civil & Environmental Engineering department.

Review of statistics and hypothesis testing, sample design and design o experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

0101	David Lovell TuTh 11:00am - 12:15pm	Seats (Total: 49) KEB 1200	

ENCE411 **Environmental Engineering Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department.

The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Baoxia Mi TuTh 11:00am - 11:50am W 10:00am - 1:00pm	Seats (Total: 9) JMP 1109 Location: TBA	 Lab
0102	Baoxia Mi TuTh 11:00am - 11:50am W 2:00pm - 5:00pm	Seats (Total: 9) JMP 1109 Location: TBA	 Lab

ENCE412 **Environmental Engineering Unit Operations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE305 and ENCE310; and permission of ENGR-Civil & Environmental Engineering department.

Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

0101	Allen Davis TuTh 2:00pm - 3:15pm	Seats (Total: 43) EGR 3106	

ENCE421 **Legal Aspects of Engineering Practice**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department; or must be in Project Management minor.

Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

0101	Miroslaw Skibniewski	Seats (Total: 61)
	Th 5:00pm - 7:30pm	CHE 2108

ENCE422 **Project Cost Accounting and Economics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department.

Reviews the fundamentals of accounting; examines project cost accountin principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Instructor: TBA	Seats (Total: 75)
	W 5:00pm - 7:30pm	JMP 3201

ENCE423 **Project Planning, Scheduling and Control**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department.

Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules.

0101	Kenneth O'Connell M 5:00pm - 7:30pm	Seats (Total: 75) KEB 1110

ENCE424 **Communication for Project Managers**

Credits: 3 Grading Method: Regular

Restriction: Must be in Project Management minor; or must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department.

The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	William Brantley Tu 5:00pm - 7:30pm	Seats (Total: 100) JMP 3201

ENCE431 **Hydrologic Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department.

An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

0101	Richard McCuen MWF 9:00am - 9:50am	Seats (Total: 45) EGR 0110

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department.

In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Instructor: TBA Tu 2:00pm - 2:50pm W 1:00pm - 4:00pm	Seats (Total: 20) EGR 0108 EGR 3114	 Lab
0102	Instructor: TBA Tu 2:00pm - 2:50pm W 1:00pm - 4:00pm	Seats (Total: 20) EGR 2116 EGR 1110	 Lab

ENCE447 **Pavement Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department.

Fundamental principles underlying the design, construction, maintenance and repair, and management of highway and airfield pavement systems. Pavement performance (functional/structural; evaluation); pavement mechanics (multi-layered elastic theory; slab theory); pavement materials (properties and characterization); environmental effects; current rigid and flexible design methods (new/rehabilitation); construction (new construction; maintenance/repair; rehabilitation); economic evaluation; pavement management.

0101	Dimitrios Goulias TuTh 11:00am - 12:15pm	Seats (Total: 25) EGR 3106

ENCE453 **Computer-Aided Structural Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department.

Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

0101	Amde Amde TuTh 9:30am - 10:45am	Seats (Total: 32) EGR 2154

ENCE455 **Design of Steel Structures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department.

Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 40) ITV 1111

ENCE466 **Design of Civil Engineering Systems**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates.

A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

0101	Russell Anderson Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 40) EGR 1202 EGR 1156
0201	Russell Anderson Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 40) EGR 1202 EGR 1156

ENCE472 **Transportation Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department.

Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

0101	Paul Schonfeld	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 0108

ENCE489 **Special Problems in Civil Engineering**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE489O **Special Problems in Civil Engineering; Hazardous Waste Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

0101	Yaron Sternberg	Seats (Total: 10)
	MWF 10:00am - 10:50am	EGR 0110

ENCE602 **Project Procurement Management**

Credits: 3 Grading Method: Regular, Audit

Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.

Weekly video conference Tuesday 8:00pm to 9:00pm.

0101	Qingbin Cui	Seats (Total: 18)
	W 2:30pm - 5:00pm	JMP 2217

ENCE604 **Sustainabilty Fundamentals for Project Managers**

Credits: 3 Grading Method: Regular, Audit

Addresses the fundamentals of sustainability for project managers including best practices of modern sustainable construction and project management. Commercial and residential buildings consume about 40 percent of the energy used in the United States. Therefore, emphasis will be on the application of the sustainable development standards to the built environment, including the practical operational aspects of sustainable facility project management.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 29) JMP 2217
PM01	Neil Schulman Class time/details on ELMs	Seats (Total: 30) ONLINE

ENCE624 **Managing Projects in a Dynamic Environment**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.

This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

PM01	Man Cheung, John Cable Class time/details on ELMs *Weekly videoconferences Mondays 8:00-9:00pm.*	Seats (Total: 30) ONLINE

ENCE627 **Project Risk Management**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed ENCE627.

Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher **Meets January 24, 2015 - May 11, 2015** Class time/details on ELMs *Weekly videoconferences Th 8:00-9:00 am or 7:00-8:00pm*	Seats (Total: 30) ONLINE

ENCE631 **Hydrologic Analysis and Nonpoint Pollution Models**

Credits: 3 Grading Method: Regular, Audit

A detailed analysis of the physical processes controlling the spatial distribution of runoff and constituent transport during rainfall and snowmelt events. Emphasis is on developing an understanding of the processes and translating this understanding into practical models that can be used for runoff simulation, stormwater management, and environmental impact assessment.

0101	Kaye Brubaker	Seats (Total: 15)
	MW 5:00pm - 6:15pm	EGR 3102

ENCE637 **Biological Principles of Environmental Engineering**

Credits: 3 Grading Method: Regular, Audit

An examination of biological principles directly affecting man and his environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Birthe Kjellerup	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1111

ENCE641 **Advanced Foundations Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENCE340; or students who have taken courses with comparable content may contact the department.

Review of soil properties and subsurface exploration, evaluation and design of shallow foundations, including settlement and bearing capacity of spread footings and mats. Discussion of methods of soil improvement. Analysis and design of deep foundations including single pile, pile load testing, pile group actions, and drilled shaft foundations for both vertical and horizontal loads. Load and resistance factor design concepts will be presented.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 2116

ENCE647 **Slope Stability and Seepage**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENCE340. Credit only granted for: ENCE489A, ENCE647, or ENCE688A. Formerly: ENCE688A.

Theoretical and practical aspects of seepage effects, and groundwater flow, review of shear strength principles, flow through porous media, hydraulic conductivity, flow nets, determination of water pressure, seepage forces and quantity of seepage, laboratory and field tests for shear strength, infinite slopes, block analysis, method of slices, seismic analysis of slopes, effective and total stress analysis, computer program for slope stability analysis, slope stability problems in waste disposal, construction excavations, reinforced embankments, embankments on soft ground.

0101	Ahmet Aydilek	Seats (Total: 25)
	Tu 5:00pm - 7:30pm	EGR 3106

ENCE662 **Introduction to Project Management**

Credits: 3 Grading Method: Regular, Audit

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

PM01	Man Cheung, John Cable	Seats (Total: 35)
	Meets January 24, 2015 - May 11, 2015	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Th 7:00-8:00am or 8:00-9:00pm	

ENCE664 **Legal Aspects of Engineering Design and Construction**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.

Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

0101	Thomas Barham	Seats (Total: 50)
	W 6:00pm - 8:30pm	JMP 2121

ENCE665 **Management of Project Teams**

Credits: 3 Grading Method: Regular, Audit

Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

PM01	Kathryn Britton	Seats (Total: 26)
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Monday or Tuesday 7:00-8:00pm.	

ENCE667 **Project Performance Measurement**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.

Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

0101	Gregory Baecher	Seats (Total: 29)
	Th 3:30pm - 6:00pm	JMP 2222

ENCE673 **Urban Transportation**

Credits: 3 Grading Method: Regular, Audit

The contempory methodology of urban transportation planning. The urban transportation planning process, interdependence between the urban transportation system and the activity system, urban travel demand models, evaluation of urban transportation alternatives and their implementation.

0101	Lei Zhang	Seats (Total: 25)
	W 2:00pm - 4:30pm	JMP 1202

ENCE675 **Airport Planning and Design**

Credits: 3 Grading Method: Regular, Audit

The planning and design of airports including site selection, runway configuration, geometric and structural design of the landing area, and terminal facilities. Methods of financing airports, estimates of aeronautical demand, air traffic control, and airport lighting are also studied.

0101	Paul Schonfeld	Seats (Total: 30)
	Tu 5:00pm - 7:45pm	EGR 2116

ENCE688C **Advanced Topics in Civil Engineering; Traffic Signal Design and Analysis**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Gang-Len Chang	Seats (Total: 15)
	Th 5:00pm - 7:30pm	EGR 3111

ENCE688F **Advanced Topics in Civil Engineering; Highway Safety Fundamentals**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Mohamadreza Banihashemi	Seats (Total: 20)
	W 5:00pm - 7:30pm	EGR 2116

ENCE688O **Advanced Topics in Civil Engineering; Hazardous Waste Management**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Yaron Sternberg MWF 10:00am - 10:50am	Seats (Total: 10) EGR 0110

ENCE688W **Advanced Topics in Civil Engineering; Project Stakeholder Management and Engagement**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Instructor: TBA Th 4:00pm - 6:40pm	Seats (Total: 25) JMP 2120
PM01	Instructor: TBA Class time/details on ELMs *Videoconferences Wednesday 8:00pm to 9:00pm EST.*	Seats (Total: 25) ONLINE

ENCE689 **Seminar**

Credits: 1-16 Grading Method: Regular, Audit

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE710 **Steel Structures I**

Credits: 3 Grading Method: Regular, Audit

Formerly: ENCE656.

Moment connections of beams and columns. Wind bracing connections. Plat girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

0101	Chung Fu TuTh 5:00pm - 6:15pm	Seats (Total: 25) EGR 3102

ENCE713 **Concrete Structures I**

Credits: 3 Grading Method: Regular, Audit

Formerly: ENCE753.

The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

0101	Amde Amde	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 2154

ENCE715 **Earthquake Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor. Formerly: ENCE755.

Review of SDOF and MDOF structural dynamics; characteristics of earthquakes; philosophies of seismic design; elastic and inelastic response spectra; design for ductility; principles of capacity design; design of structural systems requiring special performance criteria.

0101	Yunfeng Zhang	Seats (Total: 20)
	W 5:00pm - 7:30pm	EGR 3114

ENCE755 **Transformations of Organic Compounds in the Environment**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Focuses on reaction kinetics and mechanisms of organic pollutants transformations. Kinetic principles will be used to calculate or estimate the pollutants' half-lives. Physical-chemical properties of organic pollutants will be used to estimate transformation mechanisms and rates. Emphasis is on developing an understanding of how physico-chemical and structural properties relate with the transformations of organic pollutants.

0101	Alba Torrents	Seats (Total: 20)
	W 8:00am - 10:30am	EGR 2116

ENCE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Spring 2015

ENCH609 **Graduate Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department permission.

0101	Ganesh Sriram	Seats (Total: 30)
	Tu 11:00am - 12:00pm	CHE 2108

ENCH630 **Transport Phenomena**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHBE422; and ENCH424. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.

Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

0101	Instructor: TBA	Seats (Total: 15)
	MW 3:30pm - 4:45pm	EGR 2116

ENCH640 **Advanced Chemical Reaction Kinetics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHBE440; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.

The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 15) EGR 2116

ENCH648 **Special Problems in Chemical Engineering**

(Perm req)

Credits: 1-16 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENCH648K **Special Problems in Chemical Engineering; Advanced Fuel Cells and Batteries**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Chunsheng Wang MW 11:45am - 1:00pm	Seats (Total: 10) JMP 2121
HT01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
ME01	Chunsheng Wang Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
SM01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)

ENCH648N **Special Problems in Chemical Engineering; Bionanotechnology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Also offered as BIOE689N.

0101	Srinivasa Raghavan TuTh 3:30pm - 4:45pm	Seats (Total: 30) CHE 2110

ENCH648P **Special Problems in Chemical Engineering; Molecular Modeling Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Jeffery Klauda TuTh 12:30pm - 1:45pm	Seats (Total: 10) EGR 1104

ENCH781 **Polymer Reaction Engineering**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENCH640; or permission of instructor.

Advanced topics in polymerization kinetics, reactor design and analysis; addition and step-growth polymerization; homogeneous and heterogeneous polymerization; photopolymerization; reactor dynamics; optimal operation and control of industrial polymerization reactors.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 10) PHY 1204

ENCH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education Spring 2015

ENCO099 **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering Spring 2015

ENEE140 **Introduction to Programming Concepts for Engineers**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.

Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Instructor: TBA Tu 3:30pm - 4:45pm WF 9:00am - 9:50am	Seats (Total: 12) PLS 1140 AVW 1442	 Discussion
0102	Tudor Dumitras Tu 3:30pm - 4:45pm WF 10:00am - 10:50am	Seats (Total: 12) PLS 1140 AVW 1442	 Discussion
0103	Tudor Dumitras Tu 3:30pm - 4:45pm WF 11:00am - 11:50am	Seats (Total: 12) PLS 1140 AVW 1442	 Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. And ENEE140 or CMSC131; or score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114.

Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung MW 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 12) CCC 1100 AVW 1442	Discussion
0102	Donald Yeung MW 12:30pm - 1:45pm Th 12:00pm - 12:50pm	Seats (Total: 12) CCC 1100 AVW 1442	Discussion
0103	Donald Yeung MW 12:30pm - 1:45pm Th 1:00pm - 1:50pm	Seats (Total: 12) CCC 1100 AVW 1442	Discussion
0104	Donald Yeung MW 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 12) CCC 1100 AVW 1442	Discussion
0201	William Hawkins TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0202	William Hawkins TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0203	William Hawkins TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0204	William Hawkins TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0205	William Hawkins TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion

ENEE200 Social and Ethical Dimensions of Engineering Technology

Credits: 3 Grading Method: Regular CORE: IE

Restriction: Sophomore standing or higher.

Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Nicole Mogul TuTh 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 16) MCB 1207 EGR 3111	Discussion
0102	Nicole Mogul TuTh 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 16) MCB 1207 EGR 3111	Discussion
0103	Nicole Mogul TuTh 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 16) MCB 1207 EGR 3114	Discussion
0104	Nicole Mogul TuTh 11:00am - 11:50am F 8:00am - 9:50am	Seats (Total: 16) MCB 1207 EGR 3111	Discussion
0105	Instructor: TBA TuTh 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 16) MCB 1207 KEB 1200	Discussion
0201	Kazuo Nakajima TuTh 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 16) JMP 1202 CHE 2136	Discussion
0202	Kazuo Nakajima TuTh 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 16) JMP 1202 EGR 2116	Discussion

ENEE205 **Electric Circuits**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.

Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Tu 12:00pm - 1:50pm	AVW 1356	Lab
	Tu 11:00am - 11:50am	AVW 1356	Discussion
0102	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Tu 3:00pm - 4:50pm	AVW 1356	Lab
	Tu 2:00pm - 2:50pm	AVW 1356	Discussion
0103	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Th 12:00pm - 1:50pm	AVW 1356	Lab
	Th 11:00am - 11:50am	AVW 1356	Discussion
0104	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Th 3:00pm - 4:50pm	AVW 1356	Lab
	Th 2:00pm - 2:50pm	AVW 1356	Discussion
0105	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Tu 9:00am - 10:50am	AVW 1356	Lab
	Tu 8:00am - 8:50am	AVW 1356	Discussion
0106	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	EGR 1108	
	Th 9:00am - 10:50am	AVW 1356	Lab
	Th 8:00am - 8:50am	AVW 1356	Discussion

0201	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	M 12:00pm - 1:50pm	AVW 1356	Lab
	M 11:00am - 11:50am	AVW 1356	Discussion
0202	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	M 3:00pm - 4:50pm	AVW 1356	Lab
	M 2:00pm - 2:50pm	AVW 1356	Discussion
0203	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	W 3:00pm - 4:50pm	AVW 1356	Lab
	W 2:00pm - 2:50pm	AVW 1356	Discussion
0204	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	F 12:00pm - 1:50pm	AVW 1356	Lab
	F 11:00am - 11:50am	AVW 1356	Discussion
0205	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	W 12:00pm - 1:50pm	AVW 1356	Lab
	W 11:00am - 11:50am	AVW 1356	Discussion
0206	Wesley Lawson	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	KEB 1110	
	F 9:00am - 10:50am	AVW 1356	Lab
	F 8:00am - 8:50am	AVW 1356	Discussion

ENEE222 **Elements of Discrete Signal Analysis**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. And minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241.

Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Adrianos Papamarcou	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	JMP 3201	
	Th 10:00am - 10:50am	KEB 2111	Lab
	Tu 10:00am - 10:50am	KEB 2111	Discussion
0102	Instructor: TBA	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	JMP 3201	
	Th 11:00am - 11:50am	KEB 2111	Lab
	Tu 11:00am - 11:50am	KEB 2111	Discussion
0103	Instructor: TBA	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	JMP 3201	
	Th 12:00pm - 12:50pm	KEB 2111	Lab
	Tu 12:00pm - 12:50pm	KEB 2111	Discussion
0201	Instructor: TBA	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	KEB 1110	
	W 9:00am - 9:50am	KEB 2107	Lab
	F 9:00am - 9:50am	KEB 2107	Discussion
0202	Jonathan Simon	Seats (Total: 28)	
	TuTh 2:00pm - 3:15pm	KEB 1110	
	W 10:00am - 10:50am	KEB 2107	Lab
	F 10:00am - 10:50am	KEB 2107	Discussion
0203	Jonathan Simon	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	KEB 1110	
	F 10:00am - 10:50am	KEB 2111	Lab
	W 10:00am - 10:50am	KEB 2111	Discussion

ENEE244 **Digital Logic Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

0101	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 12) CHE 2108 EGR 1110	Discussion
0102	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 EGR 1110	Discussion
0103	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 12) CHE 2108 EGR 2116	Discussion
0104	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 EGR 3102	Discussion
0105	Charles Silio MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 12) CHE 2108 EGR 2154	Discussion
0106	Charles Silio MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 EGR 2154	Discussion
0201	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 12) KEB 1110 EGR 3111	Discussion
0202	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 12) KEB 1110 EGR 3102	Discussion
0203	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 12) KEB 1110 EGR 2116	Discussion

0204	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 12) KEB 1110 EGR 3111	Discussion
0205	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 12) KEB 1110 EGR 2154	Discussion
0206	Charalampos Papamanthou TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 12) KEB 1110 EGR 2154	Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0102	Manoj Franklin W 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0103	Instructor: TBA W 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0104	Instructor: TBA W 10:00am - 10:50am M 8:00am - 10:50am	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0105	Instructor: TBA W 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab

0106	Instructor: TBA W 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0108	Manoj Franklin W 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0201	Bruce Jacob M 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0202	Instructor: TBA M 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0203	Bruce Jacob M 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 12) PLS 1130 AVW 1450	Lab
0204	Instructor: TBA M 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 12) PLS 1130 AVW 1450	Lab

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

ENEE303 **Analog and Digital Electronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.

Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 25) JMP 3201 EGR 3102	Discussion

0102	Manoj Franklin MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 25) JMP 3201 EGR 3102	Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) EGR 1108 EGR 2116	Discussion
0202	Instructor: TBA TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 25) EGR 1108 EGR 3114	Discussion

ENEE307 **Electronic Circuits Design Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE 306 or ENEE 307.

Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

0101	Neil Goldsman W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0102	Instructor: TBA W 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0103	Instructor: TBA W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0104	Instructor: TBA W 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0105	Neil Goldsman W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab

0106	Instructor: TBA W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0107	Instructor: TBA W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0108	Neil Goldsman W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0109	Neil Goldsman W 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0110	Neil Goldsman W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) PHY 1410 AVW 1330	Lab
0201	Instructor: TBA M 9:00am - 9:50am W 8:00am - 11:00am	Seats (Total: 12) CHE 2136 AVW 1330	Lab
0202	Instructor: TBA M 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CHE 2136 AVW 1330	Lab

ENEE313 **Introduction to Device Physics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.

Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Instructor: TBA MW 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 25) CHE 2118 PLS 1119	Discussion
0102	Instructor: TBA MW 12:30pm - 1:45pm Th 12:00pm - 12:50pm	Seats (Total: 24) CHE 2118 ARM 0105	Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 25) HBK 0115 EGR 0108	Discussion
0202	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) HBK 0115 KEB 1200	Discussion

ENEE313H **Introduction to Device Physics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.

Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Agisilaos Iliadis TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 15) CHE 2145 EGR 0135	Discussion

ENEE322 **Signal and System Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

0101	Carol Espy-Wilson MW 2:00pm - 3:15pm Tu 10:00am - 10:50am	Seats (Total: 20) CHE 2108 EGR 2116	Discussion
0102	Carol Espy-Wilson MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 20) CHE 2108 CHM 1224	Discussion
0103	Carol Espy-Wilson MW 2:00pm - 3:15pm Tu 9:00am - 9:50am	Seats (Total: 20) CHE 2108 EGR 2116	Discussion
0201	Instructor: TBA TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 20) CHE 2108 EGR 2116	Discussion
0202	Instructor: TBA TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 20) CHE 2108 EGR 2154	Discussion
0203	Instructor: TBA TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 20) CHE 2108 EGR 2154	Discussion

ENEE324 **Engineering Probability**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.

Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

ENEE majors (09090) only.

0101	Instructor: TBA MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 20) EGR 1108 EGR 3114	 Discussion
0102	Instructor: TBA MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 20) EGR 1108 EGR 2116	 Discussion
0103	Instructor: TBA MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 20) EGR 1108 EGR 3102	 Discussion
0201	Instructor: TBA TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 20) CHE 2118 EGR 2154	 Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 20) CHE 2118 EGR 2154	 Discussion

ENEE324H **Engineering Probability**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.

Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Sennur Ulukus TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 15) EGR 2154 EGR 1110	 Discussion

ENEE350 **Computer Organization**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.

Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0101	Instructor: TBA MW 11:00am - 12:15pm Th 9:00am - 9:50am	Seats (Total: 20) CHE 2108 EGR 3114	 Discussion
0102	Instructor: TBA MW 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 20) CHE 2108 EGR 3114	 Discussion
0103	Instructor: TBA MW 11:00am - 12:15pm Th 11:00am - 11:50am	Seats (Total: 20) CHE 2108 ITV 1100	 Discussion
0201	Instructor: TBA TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 20) EGR 0110 EGR 1104	 Discussion
0202	Instructor: TBA TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 20) EGR 0110 EGR 3114	 Discussion

ENEE359F **Intermediate Topics in Computer Engineering; Advanced FPGA System Design using Verilog**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected intermediate level topics in computer engineering.

Prerequisite: permission of department.

0101	Kazuo Nakajima M 3:30pm - 4:45pm W 2:00pm - 4:50pm	Seats (Total: 12) AVW 2446 AVW 2446	 Lab

ENEE380 **Electromagnetic Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PHYS271, PHYS270, and MATH241; and completion of all lower-division technical courses in the EE curriculum.

Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.

ENEE majors (09090) only. Department Permission Required.

0101	Jeremy Munday MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 20) JMP 3201 EGR 2116	 Discussion
0102	Jeremy Munday MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 20) JMP 3201 EGR 3114	 Discussion
0103	Jeremy Munday MW 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 20) JMP 3201 JMP 1202	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.

The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Leonard Taylor MW 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 25) EGR 1108 ARM 0103	 Discussion

0102	Leonard Taylor MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 25) EGR 1108 ARM 0119	Discussion
0201	Mohammad Hafezi TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 25) EGR 1108 EGR 0108	Discussion
0202	Mohammad Hafezi TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 25) EGR 1108 EGR 3102	Discussion

ENEE381H **Electromagnetic Wave Propagation**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.

The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Instructor: TBA TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 15) EGR 3106 EGR 1110	Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: ENEE440.

0101	William Hawkins Th 9:30am - 10:45am TBA	Seats (Total: 12) AVW 2446 AVW 1454	Lab

ENEE408D **Capstone Design Project: Mixed Signal VLSI Design**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Restricted to ENEE and ENCP students. Prerequisite: ENEE303, ENEE307, and ENEE313.

Click here for more course information.

0101	Pamela Abshire TuTh 9:30am - 10:20am F 11:00am - 2:00pm	Seats (Total: 28) KEB 2107 KEB 2107	 Discussion

ENEE408G **Capstone Design Project: Multimedia Signal Processing**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisites: ENEE420 or 425.

Click here for more course information.

0101	Instructor: TBA M 12:30pm - 1:45pm W 2:00pm - 5:00pm	Seats (Total: 12) EGR 2116 KEB 2107	 Lab
0102	Instructor: TBA M 12:30pm - 1:45pm Tu 2:00pm - 5:00pm	Seats (Total: 12) EGR 2116 KEB 2107	 Lab

ENEE417 **Microelectronics Design Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE303; and minimum grade of C- in ENEE307; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

Students design and build fairly sophisticated circuits, mainly compose of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

0101	Instructor: TBA Tu 12:30pm - 1:20pm M 2:00pm - 5:00pm	Seats (Total: 8) AVW 1334 AVW 1334	 Lab
0102	Robert Newcomb Tu 12:30pm - 1:20pm W 2:00pm - 5:00pm	Seats (Total: 8) AVW 1334 AVW 1334	 Lab

ENEE420 **Communication Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum.

Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise.

ENEE majors (09090) only.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 1104

ENEE425 **Digital Signal Processing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.

Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic.

ENEE majors (09090) only.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 35) EGR 1104

ENEE428 **Communications Design Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

EE capstone design course. Exploring the signal processing and communication systems theoretical concepts presented in ENEE 420 Communication Systems and ENEE 425 Digital Signal Processing by implementing them on actual DSP based hardware in real time.

Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum. Corequisite: ENEE425 or ENEE420. Restriction: Must be in Engineering: Electrical program.

0101	Instructor: TBA W 10:00am - 10:50am F 9:00am - 12:00pm	Seats (Total: 8) EGR 0108 AVW 1366	 Lab
0102	Steven Tretter W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 8) EGR 0108 AVW 1366	 Lab

ENEE440 **Microprocessors**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	William Hawkins TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2154

ENEE445 **Computer Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins Tu 9:30am - 10:20am Th 2:00pm - 5:00pm	Seats (Total: 12) EGR 3114 AVW 1454	 Lab

ENEE446 **Digital Computer Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum.

Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing.

ENEE majors (09090) only.

0101	Uzi Vishkin MW 11:00am - 12:15pm	Seats (Total: 30) JMP 1202
0201	Yavuz Oruc TuTh 3:30pm - 4:45pm	Seats (Total: 30) ITV 1111

ENEE459E **Topics in Computer Engineering; Introduction to Cryptology**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in computer engineering.

Prerequisites:Any two 400-level MATH courses; or (CMSC351 and CMSC330); or (ENEE322 and ENEE380). Credit only granted for: ENEE459E, CMSC456, CMSC489R, or MATH456. Over the past two decades, cryptography has become a highly relevant field: In addition to military and national security applications, cryptography is currently being used in critical financial, legal, and social applications. The aim of cryptography is to construct efficient schemes that allow parties to interact to implement some functionality, even when some subset of parties are malicious and behave adversarially. In contrast to the classical approach based on heuristics and ad-hoc solutions, modern cryptography aims for specific, rigorous security guarantees based on precise mathematical definitions and provably secure protocols.

0101	Dana Dachman-Soled TuTh 2:00pm - 3:15pm	Seats (Total: 30) ITV 1100

ENEE461 **Control Systems Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205; and minimum grade of C- in ENEE322; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE461, ENME461, or ENME489N.

Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done.

Prerequisite: permission of department. Also offered as ENME461.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab

ENEE463 **Digital Control Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Formerly: ENEE469E.

Introduction to techniques for the analysis and design of linear contro systems and implementation of control systems using digital technology. Topics include linearization, solution of linear equations, z-transforms and Laplace transforms, design of linear controllers, optimal control, and digital implementation of control designs. Students will use MATLAB for the solution of problems and the design of control systems.

0101	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 40) CHE 2136

ENEE473 **Electrical Machines Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Recommended: ENEE322. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

0101	Patrick McAvoy F 1:00pm - 1:50pm F 2:00pm - 5:00pm	Seats (Total: 12) CSI 2120 AVW 1360	 Lab
0102	Patrick McAvoy F 1:00pm - 1:50pm F 9:00am - 12:00pm	Seats (Total: 12) CSI 2120 AVW 1360	 Lab

ENEE475 **Power Electronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

This course is suitable for undergraduate and graduate students who wan to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

0101	Isaak Mayergoyz MW 12:30pm - 1:45pm	Seats (Total: 70) CHE 2108	

ENEE488 **Independent Study in Electrical and Computer Engineering**

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.

0201	John Baras Contact instructor or department for details.	Seats (Total: 3)
1201	Romel Gomez Contact instructor or department for details.	Seats (Total: 3)
1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
5601	Jonathan Simon Contact instructor or department for details.	Seats (Total: 10)
9801	Jeremy Munday Contact instructor or department for details.	Seats (Total: 10)

ENEE489A **Topics in Electrophysics; Laboratory for Antennas for Wireless Personal Communication**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in electrophysics.

0101	Instructor: TBA	Seats (Total: 10)	
	Tu 12:30pm - 1:45pm Th 11:00am - 2:00pm	AVW 2446 AVW 2446	 Lab
	Prerequisites: ENEE 381 or equivalent. A senior level advanced laboratory course designed to provide hands-on exposure on concepts of antennas design, including computer modeling, fabrication and testing of small scale antennas used in personal communication systems. The course builds upon the concepts of electromagnetic wave introduced in ENEE381. Students will learn how to use state of the art microwave testing apparatus and techniques, simulate electromagnetic properties based on geometry as well as design, build and test several prototype antenna configurations.		

ENEE489Q **Topics in Electrophysics; Quantum Phenomena in Electrical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in electrophysics.

Prerequisite: MATH241 and (ENEE222 or ENEE241), ENEE303, ENEE381 and ENEE380. The course provides fundamental understanding of quantum mechanical principles for electrical engineering and nanotechnology applications. It is designed to acquaint electrical and computer engineering students with concepts on which modern electronic and optical devices are based. Topics include: wave phenomena and wave-particle duality, photons and quantum states, entanglement, paradoxes, quantum crytography, Schrodingers equation in 1-dimension, bound states,tunneling, scatteringproblems, optoelectronic and electronic devices and superconducting Josephson's junctions.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMP 1202

ENEE496 **Lasers and Electro-optic Devices**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE381; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

0101	Christopher Davis	Seats (Total: 40)
	MW 9:30am - 10:45am	KEB 1200

ENEE499 **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**

(Perm req)

Credits: 1-2 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE601 **Semiconductor Devices and Technology**

Credits: 3 Grading Method: Regular, Audit

Recommended: ENEE413 and ENEE600. Credit only granted for: ENEE601 or ENEE697. Formerly: ENEE697.

The principles, structures and characteristics of semiconductor devices Technology and fabrication of semiconductor devices.

0101	Instructor: TBA	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	CHE 2145	

ENEE611 **Integrated Circuit Design and Analysis**

Credits: 3 Grading Method: Regular, Audit

Recommended: ENEE610. Credit only granted for: ENEE611 or ENEE696. Formerly: ENEE696.

Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	CHE 2118	

ENEE620 **Random Processes in Communication and Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.

Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Instructor: TBA	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CHE 2136	
	F 11:00am - 11:50am	EGR 0108	Discussion

ENEE621 **Estimation and Detection Theory**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE620; or students who have taken courses with comparable content may contact the department.

Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

0101	Prakash Narayan	Seats (Total: 45)
	MW 12:30pm - 1:45pm	ITV 1111

ENEE625 **Multi-user Communication**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE620.

Basic queueing models. Store-and forward communications networks; switching modes; delay-throughput measures; capacity assignment; routing; topological design; computational aspects; flow control; error control; protocols; specification and validation; local networks; satellite and packet radio systems; multiple access schemes; stability and performance; multi-user information theory; and large scale system theory.

0101	Anthony Ephremides	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 1104

ENEE627 **Information Theory**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE620. Credit only granted for: ENEE627 or ENEE721. Formerly: ENEE721.

Information measures and their properties; entropy, relative entropy an mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

0101	Alexander Barg	Seats (Total: 39)
	TuTh 3:30pm - 4:45pm	CHE 2118

ENEE631 **Digital Image and Video Processing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE620 and ENEE630; or students who have taken courses with comparable content may contact the department.

Foundations of digital image and video processing. Topics covered: 2-D systems and transforms; image acquisition and perception; multi-dimensional sampling; quantization; linear and non-linear techniques for image enhancement and restoration; basics on image analysis; lossless and lossy image compression; motion estimation and compensation; still image and video coding standards; applications of image and video processing.

0101	Min Wu	Seats (Total: 30)
	MW 11:00am - 12:15pm	CHE 2118

ENEE634 **Space-Time Signal Process**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE620 and ENEE630. Credit only granted for: ENEE634 or ENEE724. Formerly: ENEE724.

Space-time processing aspects of signal processing with applications to wireless communications are considered, including fast algorithms, numerical computation, adaptive beamforming, direction of arrivals estimation, array processing, adaptive algorithms (least means square algorithms and recursive least means square algorithms), channel equalization, blind equalization and identification, and space-time coding, modulation, and MIMO communications and signal processing.

0101	KJ Ray Liu	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 1104

ENEE640 **VLSI Architecture**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE446 and ENEE488; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Review of MOS transistors: fabrication, layout, characterization; CMOS circuit and logic design: circuit and logic simulation, fully complementary CMOS logic, pseudo-nMOS logic, dynamic CMOS logic, pass-transistor logic, clocking strategies; sub system design: ALUs, multipliers, memories, PLAs; architecture design: datapath, floorplanning, iterative cellular arrays, systolic arrays; VLSI algorithms; chip design and test: full custom design of chips, possible chip fabrication by MOSIS and subsequent chip testing.

0101	Ankur Srivastava	Seats (Total: 40)
	MW 11:00am - 12:15pm	EGR 1104

ENEE645 **Compilers and Optimization**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENEE350 or CMSC216; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENEE645 or ENEE759C. Formerly: ENEE759C.

The compilation, linking and loading process. Using lexical analyzers and parsers. Intermediate forms. Global, stack and heap objects, and their addressing modes. Stack implementation. Control flow analysis and optimization. Dataflow analysis and optimization including Static, single assignment. Alias analysis.

0101	Instructor: TBA	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	EGR 3106

ENEE661 **Nonlinear Control Systems**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENEE660; and (MATH410 or MATH411; or students who have taken courses with comparable content may contact the department). Or permission of instructor.

State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

0101	Instructor: TBA	Seats (Total: 30)
	MW 5:00pm - 6:15pm	CSI 2120

ENEE664 **Optimal Control**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENEE660 and MATH410; or students who have taken courses with comparable content may contact the department; or permission of instructor. Corequisite: MATH411; or permission of instructor.

General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

0101	Andre Tits	Seats (Total: 39)
	TuTh 12:30pm - 1:45pm	JMP 2202

ENEE681 **Electromagnetic Theory II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.

Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

0101	Edward Ott	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 1104

ENEE691 **Optical Communication Systems**

Credits: 3

Grading Method: Regular, Audit

Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

0101	Danilo Romero	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CHE 2116

ENEE698A **Graduate Seminar; Communications**

(Perm req)

Credits: 1

Grading Method: Regular, Audit, Sat-Fail

Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.

Permission of ENGR-Electrical & Computer Engineering department required .

0101	Ramalingam Chellappa	Seats (Total: 30)
	Tu 5:00pm - 6:15pm	AVW 2120

ENEE698D **Graduate Seminar; Electrophysics**

Credits: 1

Grading Method: Regular, Audit, Sat-Fail

Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.

Also offered as PHYS798D.

0101	Phillip Sprangle	Seats (Total: 41)
	W 11:00am - 11:50am	KEB 1200

ENEE698E **Graduate Seminar; Microelectronics**

Credits: 1-2

Grading Method: Regular, Audit, Sat-Fail

Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.

0101	Robert Newcomb	Seats (Total: 20)
	Tu 5:00pm - 5:50pm	CSI 2118

ENEE698Q **Graduate Seminar; Colloquium Series**

Credits: 1

Grading Method: Regular, Audit, Sat-Fail

Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.

0101	Ramalingam Chellappa	Seats (Total: 80)
	F 3:00pm - 4:00pm	KEB 1110

ENEE699 **Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.

Contact department for information to register for this course.

ENEE739E **Advanced Topics in Signal Processing; Sparse Statistical Signal Processing and Learning**

Credits: 3 Grading Method: Regular, Audit

0101	Piya Pal	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CHE 2136

ENEE759B **Advanced Topics in Computer Engineering; Advances in Low Power Design Methodologies**

Credits: 3 Grading Method: Regular, Audit

Topics, as announced every semester, from the field of computer engineering and its applications.

0101	Gang Qu	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHM 0119

ENEE790 **Quantum Electronics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have knowledge of quantum mechanics; or permission of instructor.

Spontaneous emission, interaction of radiation and matter, masers, optical resonators, the gas, solid and semi-conductor lasers, electro-optical effect, propagation in anisotropic media and light modulation.

0101	Howard Milchberg	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSS 2416

ENEE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

(Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail

Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENES Engineering Science Spring 2015

ENES100 **Introduction to Engineering Design**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSSP

Corequisite: MATH140.

Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Evandro Valente MW 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) JMP 1116 ONLINE
0201	Romel Gomez TuTh 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) JMP 1116 ONLINE
0202	Stephen Kamakaris TuTh 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) JMP 1215 ONLINE
0301	Jackelyn Lopez Roshwalb MW 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 30) JMP 1116 ONLINE
0302	Ayush Gupta MW 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 30) JMP 1215 ONLINE

0401	Stephen Secules TuTh 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 30) JMP 1215 ONLINE
0501	Evandro Valente MW 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 30) JMP 1215 ONLINE
0502	Jackelyn Lopez Roshwalb MW 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 21) JMP 1116 ONLINE
0601	Patrick McAvoy TuTh 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 26) JMP 1116 ONLINE
0602	Kevin Calabro TuTh 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 12) JMP 1215 ONLINE
0801	Nicholas Wagman TuTh 4:30pm - 6:20pm Class time/details on ELMs	Seats (Total: 12) JMP 1215 ONLINE

ENES100A **Introduction to Engineering Design**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSSP

Corequisite: MATH140.

Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

Restricted to non-engineering students.

0101	Evandro Valente MW 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 10) JMP 1116 ONLINE
0102	Wesley Lawson MW 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 40) JMP 1215 ONLINE

0201	Romel Gomez TuTh 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 10) JMP 1116 ONLINE
0202	Stephen Kamakaris TuTh 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 15) JMP 1215 ONLINE
0301	Jackelyn Lopez Roshwalb MW 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 10) JMP 1116 ONLINE
0302	Ayush Gupta MW 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 10) JMP 1215 ONLINE
0401	Stephen Secules TuTh 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 10) JMP 1215 ONLINE
0501	Evandro Valente MW 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 10) JMP 1215 ONLINE
0502	Jackelyn Lopez Roshwalb MW 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 19) JMP 1116 ONLINE
0601	Patrick McAvoy TuTh 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 14) JMP 1116 ONLINE
0602	Kevin Calabro TuTh 2:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 28) JMP 1215 ONLINE
0801	Nicholas Wagman TuTh 4:30pm - 6:20pm Class time/details on ELMs	Seats (Total: 28) JMP 1215 ONLINE

ENES102 Mechanics I

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Peter Chang MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 51) HBK 0115 CSS 2428	Discussion
0201	Mary Bowden TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 49) EGR 0110 HBK 0115	Discussion
0401	Robert Bonenberger MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 50) PLS 1130 CHM 2201	Discussion
0601	Thomas Beigel MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) EGR 1108 CSI 1122	Discussion
0701	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 50) KEB 1200 CSI 1122	Discussion
0801	Gary Pertmer MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) HBK 0115 CHM 0115	Discussion
0901	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 55) CHM 0115 CHM 0115	Discussion

ENES108 **Achieving College Success: First Year Transition**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

An exploration of the skills and habits needed to successfully complete the first year of study for Science, Technology, Engineering, and Mathematics (STEM) majors. This course is an extension of the college success seminars taught during the Summer Bridge Program.

0101	Michelle Udeli M 6:00pm - 6:50pm	Seats (Total: 16) EGR 3114
0102	Michelle Udeli M 5:30pm - 6:30pm	Seats (Total: 20) Location: TBA

ENES114 **Virtus Seminar II**

Credits: 1 Grading Method: Regular

Prerequisite: ENES113. Restriction: Students must be participants in the Virtus Living and Learning Community.

Focus on personal and professional development with engineering with a strong emphasis on career development. Learn to employ strategies and skills for academic and professional success.

0101	Erica Ely W 4:00pm - 5:15pm	Seats (Total: 50) CSS 2428
0201	Erica Ely Contact instructor or department for details.	Seats (Total: 20)

ENES116 **FLEXUS Living and Learning Community Seminar II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES215, ENES115, and ENES116. Restriction: Must be a second year FLEXUS participant (coded as WCY).

The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

0101	Veronica Perrigan, Paige Smith W 4:00pm - 5:15pm	Seats (Total: 60) KEB 1110
0102	Veronica Perrigan, Paige Smith Contact instructor or department for details.	Seats (Total: 10)

ENES140 **Discovering New Ventures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.

Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.

A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	James Green	Seats (Total: 550)	
	Class time/details on ELMs	ONLINE	

ENES190H **Introduction to Design and Quality**

Credits: 4 | Grading Method: Regular | General Education: DSSP

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as: BMGT190. Credit only granted for: BMGT190 or ENES190.

Expose engineering and business students to the principles of total quality, using experiential team learning and technology aided approaches. The first of four courses in total quality.

Restricted to QUEST program students. Also offered as BMGT190H.

0101	Pamela Armstrong	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	VMH 1415	
	W 7:00pm - 8:50pm	VMH 1330	Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSSP, SCIS

This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 60) SCC 2121

ENES214 **Virtus Seminar IV**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Students must have completed ENES213. Restriction: Students must be participants in the Virtus Living and Learning Community.

Students continue to develop their leadership and mentoring skills, participate in networking opportunities and explore their interest in special engineering topics.

0101	Tamara Fuller W 4:00pm - 5:15pm	Seats (Total: 40) PLS 1119

ENES216 **FLEXUS Living and Learning Community Seminar IV**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES115, ENES116, and ENES215. Restriction: Restricted to second year FLEXUS participants.

The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project.

0101	Paige Smith W 4:00pm - 5:15pm	Seats (Total: 40) PHY 1201
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 20)

ENES220 **Mechanics II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 60) ANS 0408 ANS 0408	 Discussion
0102	William Fourney MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 63) EGR 1108 CSI 3117	 Discussion
0103	Teng Li MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 60) KEB 1110 PLS 1140	 Discussion
0104	Thomas Brodrick M 5:00pm - 6:50pm W 5:00pm - 6:50pm	Seats (Total: 45) CHE 2118 CHE 2118	 Discussion

ENES221 **Dynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

Engineering College (04) only.

0101	Chandrasekhar Thamire TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 45) CSI 3117 KEB 1110	 Discussion
0102	Chandrasekhar Thamire TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 45) PHY 1402 CHE 2118	 Discussion

0104	Jarrod Bonsmann TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 45) CHE 2110 SPH 1301	 Discussion

ENES232 **Thermodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) CSI 2117 CSI 2117	 Discussion
0201	Raymond Sedwick MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 60) EGR 1108 EGR 1108	 Discussion
0301	Jungho Kim MW 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 60) PLS 1130 PLS 1130	 Discussion
0401	Kristen Hines MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 60) CSS 2400 CCC 1205	 Discussion
0501	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 60) CSI 2117 PLS 1130	 Discussion

ENES304 **RISE Seminar**

Credits: 1 Grading Method: Regular

Restriction: Must be in the Engineering RISE Leadership Program; and permission of ENGR-A. James Clark School of Engineering.

This is the first semester of a two semester sequence taken by RISE students in their first semester in the program. T he purpose of ENES 304 is for RISE students to learn about leadership, acquire leadership skills, and understand how to integrate leadership theories and concepts in engineering practice. There will be a mix of formal lectures by course faculty and lectures by distinguished speakers who can provide their own experience of what leadership means and how it is acquired. Students will explore their own leadership philosophy and leadership capacities in the context of group practice. Students will make meaning of general leadership theories and concepts and understand how to apply them to engineering industry. Students will also gain understanding of leadership through the stories shared by distinguished speakers with industrial, governmental and academic experience.

Contact department for information to register for this course.

ENES305 **RISE Leadership Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Permission of ENGR-A. James Clark School of Engineering; and ENES304.

This is the second semester of a two semester sequence taken by RISE students in their final semester in the program. The purpose of ENES 305 is for RISE students to learn about leadership, acquire leadership skills, and understand how to integrate leadership theories and concepts in engineering practice. There will be a mix of formal lectures by course faculty and lectures by distinguished speakers who can provide their own experience of what leadership means and how it is acquired. Students will explore their own leadership philosophy and leadership capacities in the context of group practice. Students will make meaning of general leadership theories and concepts and understand how to apply them to engineering industry. Students will also gain understanding of leadership through the stories shared by distinguished speakers with industrial, governmental and academic experience.

0101	Christopher Davis W 5:00pm - 6:00pm	Seats (Total: 60) JMP 1116

ENES317 **Introduction to Engineering Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: Permission of ENGR-A. James Clark School of Engineering.

Focus is placed on general leadership theories in addition to real-worl applications of leadership in engineering education, industry, and government.

Restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

0101	Ramsey Jabaji M 5:00pm - 7:45pm	Seats (Total: 30) JMP 1202

ENES390H **Systems Thinking for Managerial Decision Making**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X.

An introduction to the theory, concepts, tools, and practices of system thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking.

0101	Jose Suarez	Seats (Total: 45)
	MW 11:00am - 12:15pm	VMH 1415

ENES397 **Mentoring Design and Quality Teams**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: BMGT397. Credit only granted for: BMGT397, ENES397, or BMGT398D. Formerly: BMGT398D.

Practice essential skills for leading and coaching multidisciplinary teams. These include effective communications, facilitation, conflict resolution, and the ability to motivate. Students will practice these skills as mentors for student teams from BMGT/ENES 190H. In the process, they will strengthen their knowledge of design and quality techniques.

0101	Pamela Armstrong	Seats (Total: 10)
	W 6:00pm - 8:50pm	VMH 1415

ENES440 **Science, Technology and Society: Certificate Program Capstone**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401.

Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	David Tomblin	Seats (Total: 25)
	W 1:30pm - 3:00pm Contact instructor or department for details.	EGR 3102

ENES458B **Topics in International Engineering; Engineers Without Borders: Leadership Seminar_ Brazil**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Formerly: ENES489A.

Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

0101	Instructor: TBA	Seats (Total: 50)
	F 1:00pm - 3:30pm	PHY 1402
	Restricted to students in the Hillman Entrepreneurs Program.	

ENES462 **Marketing High-Technology Products and Innovations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

0101	James Green	Seats (Total: 80)
	TuTh 5:00pm - 6:15pm	SQH 1120
	Restricted to student in the Hinman CEO Program.	
0201	James Green	Seats (Total: 120)
	Class time/details on ELMs	ONLINE
	Restricted to students enrolled in the Minor in Technology Entrepreneurship.	

ENES464 **International Entrepreneurship and Innovation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

0101	James Green TuTh 5:00pm - 6:15pm *Restricted to student in the Hinman CEO Program.*	Seats (Total: 40) SCC 2121
0201	Instructor: TBA F 3:30pm - 6:00pm *Restricted to students in the Hillman Entrepreneurs Program (HENT).*	Seats (Total: 36) JMP 1202

ENES466 **Leading and Financing the Technology Venture**

Credits: 3 Grading Method: Regular

Focuses on the challenges of leading and financing new technology ventures. Leadership topics include team selection and formation, aligning rewards with relative contributions of team members, and how early decisions can enable or prevent founders from achieving results that align with their individual motivations for becoming an entrepreneur. Essential tools and methods for building a strong financial foundation for a new technology venture are examined. Includes important accounting principles as well as methods for keeping financial control of the technology venture. Insights are shared on navigating the multitude of financial barriers that may block your entrepreneurial success, as well as how to grow the technology venture from concept through launch.

Restricted to students in the Hinman CEOs Program.

0101	James Green TuTh 5:00pm - 6:15pm	Seats (Total: 40) SCC 2121

ENES472 **International Business Cultures in Engineering and Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.

The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

Restricted to students with the minor in international engineering (#EN01) and in engineering leadership development (#EN04). Students in global poverty (#AG06), in terrorism studies (#BS07), or in international development and conflict management (#BS02) may request permission for the course from Jane Fines (jfines@umd.edu). All other students can be placed on a hold file.

BL01	Jane Fines	Seats (Total: 45)
	Th 6:00pm - 7:45pm Class time/details on ELMs	CHM 1224 ONLINE

ENES474 **Global Perspectives of Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; or permission of ENGR-A. James Clark School of Engineering. Restriction: Must be in the International Engineering Minor. Credit only granted for: ENES458M or ENES474. Formerly: ENES458M.

Faculty supervised research on aspects of engineering in a foreign country including leading fields of research, key world markets, and the culture of the engineering workplace. Students will produce a comprehensive report exhibiting their expertise in their chosen country and the field of engineering within.

0101	Jane Fines	Seats (Total: 5)
	W 12:00pm - 12:50pm Class time/details on ELMs	PLS 1162 ONLINE

ENES481 **Engineering Honors Seminar II**

Credits: 1 Grading Method: Regular

Restriction: Must be in College of Engineering Honors; and junior standing or higher.

Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

0101	Richard McCuen	Seats (Total: 20)
	Tu 8:00am - 8:50am	EGR 1110

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in engineering.

0101	Huan Xu	Seats (Total: 40)	
	Th 3:30pm - 4:45pm Tu 3:30pm - 6:30pm	ANS 0408 AVW 2250	Lab

ENES489Q **Special Topics in Engineering; Design and Innovation in Silicon Valley**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in engineering.

Prerequisite: BMGT190H or ENES190H. Restricted to QUEST Program students. Also offered as BMGT438G. Credit granted for BMGT438G or ENES489Q. Travel to Silicon Valley during Spring Break required of all class participants.

0101	Kylie King, Jeffrey Herrmann	Seats (Total: 15)
	Th 7:00pm - 8:15pm Contact instructor or department for details.	VMH 1415

ENES490H **Quest Consulting and Innovation Practicum**

Credits: 4 Grading Method: Regular General Education: DSSP

Prerequisite: ENES390 or BMGT390. Also offered as: BMGT490. Credit only granted for: BMGT490 or ENES490.

Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work.

Restricted to QUEST program students. Also offered as BMGT490H.

0101	Jeffrey Herrmann, Kylie King	Seats (Total: 45)
	Tu 5:00pm - 7:40pm Contact instructor or department for details.	VMH 1415

ENES491 **Defining Consulting and Innovation Projects**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BMGT190 or ENES190. Restriction: Restricted to QUEST Program (TQMP) students. Also offered as: BMGT491. Credit only granted for: BMGT491, ENES491 or BMGT438D. Formerly: BMGT438D.

Cultivate relationships with new and current corporate partners and prepare project scopes for QUEST's capstone course, BMGT/ENES 490H. Requires independent work communicating with clients and class visits to a variety of potential project sites.

0101	Kylie King	Seats (Total: 13)
	Tu 10:00am - 10:50am	VMH 1407
	F 10:00am - 11:40am	VMH 1407

ENES498E **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This entrepreneurship seminar and case study-based course will explore technology entrepreneurship with a focus on leadership, marketing, team-building, and management of new technology ventures and assumes baseline knowledge of entrepreneurship. Students will learn skills needed to succeed as a technology entrepreneur and how to apply best practices for planning, launching, and growing new companies. This course is a requirement of the Hinman CEOs program.

Also offered as CHEM498E.

0101	Martha Connolly, Frederick Khachik, Ben Woodard	Seats (Total: 30)
	W 2:00pm - 4:45pm	ITV 1111

ENES498R **Special Topics in Entrepreneurship; Fearless Founders: New Venture Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This entrepreneurship seminar and case study-based course will explore technology entrepreneurship with a focus on leadership, marketing, team-building, and management of new technology ventures and assumes baseline knowledge of entrepreneurship. Students will learn skills needed to succeed as a technology entrepreneur and how to apply best practices for planning, launching, and growing new companies. This course is a requirement of the Hinman CEOs program.

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as BMGT468R.

0101	Elana Fine	Seats (Total: 25)
	M 5:00pm - 7:30pm	VMH 1418

ENES601 **Future Faculty Program Seminar I**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in the Clark School Future Faculty Program.

Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

0101	Amr Baz	Seats (Total: 25)
	Th 4:00pm - 5:15pm	CHM 1228

ENES603 **Future Faculty Program Seminar III**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in the Clark School Future Faculty Program.

Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

0101	Ichiro Takeuchi	Seats (Total: 25)
	Th 3:30pm - 4:30pm	KEB 1200

ENES604 **Future Faculty Program Teaching Practicum**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course.

Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

Restricted to the students in the Future Faculty program.

0101	Peter Kofinas	Seats (Total: 25)
	Contact instructor or department for details.	

ENES666 **Creative Design, Prototyping, and Testing**

Credits: 3 Grading Method: Regular, Audit

Transition from creative, innovative, design thinking methods to prototyping and concept testing of products and services. Learn how to translate ideas into marketable offerings to create real value for customers and the new venture. Emphasis is placed on an integrated and interdisciplinary approach to engineering design, concurrent engineering, design for manufacturing, industrial design, and the business of new product development. Topics include design methods, modeling and simulation, material and manufacturing process selection, platform and modular design, mass customization, planning and scheduling, and business issues, teamwork, group dynamics, creativity, and innovation.

PLM1	Cait von Schnetlage	Seats (Total: 50)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES667 **Market Development and Commercialization**

Credits: 3 Grading Method: Regular, Audit

Provides an orientation to key marketing concepts critical to marketing technology-based products and services. Learn to identify market opportunities, understand customer preferences, evaluate market acceptance, and devise the appropriate going to market strategies for the new venture.

PLM1	Gaurav Bhalla	Seats (Total: 50)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to student in the MPTE Program.	

ENFP Engineering, Fire Protection Spring 2015

ENFP101 **Hot Topics in Fire Protection Engineering**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 108 or ENFP 101. Formerly: ENFP108.

Current issues of importance to fire protection engineering. Topics focus on advances in basic fire science, computerized fire modeling, safety systems, human behavior and fire, fire toxicity, risk analysis, performance based fire safety, fire reconstruction, arson and evidence, voluntary fire safety standards, codes, and relations with other disciplines including architecture and the built environment, loss prevention and fire insurance.

0101	Nicole Hollywood, James Milke	Seats (Total: 20)
	M 12:00pm - 12:50pm	JMP 1109

ENFP300 **Fire Protection Fluid Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246; and must have completed or be concurrently enrolled in PHYS260 and PHYS261. Restriction: Permission of ENGR-Fire Protection Engineering department.

Presents students with the fundamental properties of fluids and fluid movement. Both static and dynamic fluid problems will be considered with an emphasis on fire protection systems.

0101	Peter Sunderland TuTh 9:30am - 10:45am Th 8:00am - 9:29am	Seats (Total: 30) ITV 1100 ITV 1100	 Discussion

ENFP320 **Fire Assessment Methods and Laboratory**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP312. Restriction: Must be in Engineering: Fire Protection program.

Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	Andre Marshall TuTh 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 12) ITV 1100 JMP 3229	 Lab
0102	Andre Marshall TuTh 12:30pm - 1:45pm Th 3:00pm - 4:15pm	Seats (Total: 12) ITV 1100 JMP 3229	 Lab
0103	Andre Marshall TuTh 12:30pm - 1:45pm Th 4:00pm - 5:15pm	Seats (Total: 12) ITV 1100 JMP 3229	 Lab

ENFP350 **Professional Development Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Fire Protection Engineering department. Restriction: Junior standing or higher. Credit only granted for: ENFP350 or ENFP450. Formerly: ENFP450.

An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

0101	Peter Sunderland Tu 3:30pm - 4:50pm	Seats (Total: 35) ITV 1100

ENFP410 **Advanced Fire Suppression**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP310 and ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 410, ENFP489L, ENFP 653, or ENFP629C.

Analysis of application and theory of fire suppression systems. The key elements of fire suppression systems will be discussed along with how they interact for effective fire suppression design. Physical mechanisms for a variety of fire suppression approaches will be discussed including hose streams, sprinklers, water mist, foam, clean agents, and chemical agents.

0101	Kenneth Isman TuTh 9:30am - 10:45am	Seats (Total: 40) CHE 2118

ENFP411 **Risk-Informed Performance Based Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing; or permission of ENGR-Fire Protection Engineering department.

Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

0101	Kenneth Isman, James Milke Tu 5:00pm - 7:45pm	Seats (Total: 40) PHY 1402

ENFP426 **Computational Methods in Fire Protection**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP425. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP426 or ENFP416.

Introduction to computer-based fire modeling: zone modeling and Computational Fluid Dynamics (CFD); documentation of input data, validation and verification tests.

0101	Arnaud Trouve	Seats (Total: 40)
	MW 4:00pm - 5:15pm	EGR 0135

ENFP429 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.

Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP440 **Smoke Management and Fire Alarm Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP627. Credit only granted for: ENFP440 or ENFP627.

Analysis of hazard posed by smoke in buildings. Performance characteristics of smoke management systems. Review of analytical design aids. Functional analysis and design of fire detection and alerting systems. Examination and evaluation of code criteria, performance specifications and research.

0101	Kenneth Isman, James Milke	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CHE 2118

ENFP489 **Special Topics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance to fire protection.

For ENFP majors only.

Contact department for information to register for this course.

ENFP489I **Special Topics; Industrial Fire Safety**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance to fire protection.

0101	Noah Ryder, Arnaud Trouve MW 2:00pm - 3:15pm	Seats (Total: 20) JMP 2222

ENFP619 **Graduate Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Arnaud Trouve Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

ENFP620 **Fire Dynamics Laboratory**

Credits: 3 Grading Method: Regular, Audit

Recommended: ENFP415.

Laboratory experiments are designed to illustrate fire phenomena and test theoretical models. Diffusion flames, ignition and flame spread on solids, liquid pool fires, wood crib fires, fire plumes, compartment fires.

0101	Stanislav Stoliarov Tu 3:00pm - 5:30pm	Seats (Total: 20) JMP 1109

ENFP627 **Smoke Detection and Management**

Credits: 3 Grading Method: Regular

Prerequisite: ENFP300. Also offered as: ENFP440. Credit only granted for: ENFP627 or ENFP440.

Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

Also offered as ENFP489M.

0101	James Milke, Kenneth Isman TuTh 11:00am - 12:15pm	Seats (Total: 8) CHE 2118

ENFP629 **Selected Topics**

(Perm req)

Credits: 3-6

Grading Method: Regular, Audit

Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.

Contact department for information to register for this course.

ENFP629I **Selected Topics; Industrial Fire Safety**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.

0101	Arnaud Trouve, Noah Ryder	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMP 2222

ENFP630 **Diffusion Flames and Burning Rate Theory**

Credits: 3

Grading Method: Regular, Audit

Basic principles of diffusion flames for gaseous, liquid, and solid fuels. Droplet burning, B number, jet combustion, boundary layer combustion, generalized methods.

0101	Michael Gollner	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 3102

ENFP649 **Special Problems**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.

Contact department for information to register for this course.

ENFP652 **Fire Assessment Methods**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: ENFP629B or ENFP652. Formerly: ENFP629B.

This on-line course offers a comprehensive review of experimental techniques to assess fire performance characteristics of materials, products and assemblies.

EF01	Marc Janssens	Seats (Total: 40)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE

ENFP661 **Forensic Fire Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENFP629D or ENFP661. Formerly: ENFP629D.

This on-line course addresses the forensic analysis of structural fire incidents in terms of enclosure fire dynamics and the impact of fire safety subsystems used to prevent or mitigate the consequences of fire. These subsystems include: ignition prevention, material flammability and flame spread, fire detection and alarm, fire suppression, smoke movement and management, structural fire protection and egress systems. Failures in these subsystems are addressed in terms of differences between expected and observed performance.

EF01	David Icove, Gerald Haynes	Seats (Total: 40)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE

ENFP799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Development and completion of Master's Thesis.

Contact department for information to register for this course.

ENGL English Spring 2015

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VISIT THE ENGLISH DEPARTMENT WEBSITE English as a second language classes are listed under UMEI.

ENGL101 **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0101	Instructor: TBA	Seats (Total: 19)
	MWF 9:00am - 9:50am	KEY 0120

0102	Amanda Giffi MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0123
0103	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0124
0104	Katherine Kipp MWF 9:00am - 9:50am	Seats (Total: 19) SQH 1107
0105	Stephanie Allen MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0236
0108	Blaire Perel MWF 9:00am - 9:50am	Seats (Total: 19) SQH 1111
0201	Amanda Giffi MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0123
0202	William Pittman MWF 10:00am - 10:50am	Seats (Total: 19) ASY 3221
0203	Sarah Pleydell MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0124
0204	Katherine Kipp MWF 10:00am - 10:50am	Seats (Total: 19) SQH 1107
0205	Stephanie Allen MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1115
0206	Audrey Farley MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0125
0207	Blaire Perel MWF 10:00am - 10:50am	Seats (Total: 19) SQH 1101
0301	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) SKN 1115
0302	Jeremy Metz MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1107

0303	Cherie Walsh MWF 11:00am - 11:50am	Seats (Total: 19) SQH 1105
0304	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) SQH 1123
0305	Kelsey Kerr MWF 11:00am - 11:50am	Seats (Total: 19) SQH 1101
0308	Peter Grybauskas MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0236
0401	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) KNI 1105
0402	Carlea Holl-Jensen MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0236
0403	Cherie Walsh MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 2122
0404	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0120
0406	Kelsey Kerr MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1107
0408	Shaun Gannon MWF 12:00pm - 12:50pm	Seats (Total: 19) ASY 3221
0501	Kendisan Kusumaatmadja MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0120
0502	Ena Djordjevic MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0119
0503	Shaun Gannon MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0124
0504	Laura Williams MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 2120

0505	Peter Grybauskas MWF 1:00pm - 1:50pm	Seats (Total: 19) KNI 1105
0507	Amanda Allen MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1107
0508	Kirk Greenwood MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0205
0601	Timothy Bruno MWF 2:00pm - 2:50pm	Seats (Total: 19) SKN 1112
0602	Laura Williams MWF 2:00pm - 2:50pm	Seats (Total: 19) SQH 1105
0603	Peter Grybauskas MWF 2:00pm - 2:50pm	Seats (Total: 19) KNI 1105
0604	Shaun Gannon MWF 2:00pm - 2:50pm	Seats (Total: 19) KEY 0124
0605	Ena Djordjevic MWF 2:00pm - 2:50pm	Seats (Total: 19) SYM 0209
0607	Jeremy Metz MWF 2:00pm - 2:50pm	Seats (Total: 19) TWS 1107
1001	Eleanor Tipton TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0205
1002	Heather McHale TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0201
1101	Rachel Waugh TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 2122
1102	Eleanor Tipton TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1107
1103	Heather McHale TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 1105

1104	Amanda Fiore TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1105
1105	Rachel Penman TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1103
1106	Kshiti Vaghela TuTh 9:30am - 10:45am	Seats (Total: 19) KNI 1103
1107	Adam Fishbein TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 2120
1109	Susan Pramschufer TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0124
1201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) HBK 1108
1202	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) SYM 0209
1203	Jennifer Ausden TuTh 11:00am - 12:15pm	Seats (Total: 19) SKN 1112
1204	Emily Lyons TuTh 11:00am - 12:15pm	Seats (Total: 19) CHE 2136
1205	Noa Saunders TuTh 11:00am - 12:15pm	Seats (Total: 19) LEF 1221
1206	Kshiti Vaghela TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3221
1208	Lea Landrus TuTh 11:00am - 12:15pm	Seats (Total: 19) CHM 0119
1301	Sarah Bonnie TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2120
1302	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2121

1303	Danielle Griffin TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2119
1304	Justin Lohr TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0214
1305	Emily Lyons TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1158
1306	Lea Landrus TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1164
1307	Emilee Durand TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0120
1401	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2117
1402	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1172
1403	Jennifer Ausden TuTh 2:00pm - 3:15pm	Seats (Total: 19) EDU 0114
1404	Ines Rivera TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 1120
1405	Justin Lohr TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0221
1601	Maggie Ray TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0221
1701	Maggie Ray TuTh 6:30pm - 7:45pm	Seats (Total: 19) TWS 0221
BL01	Lyra Hilliard M 9:30am - 10:45am W 9:30am - 10:45am *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) TWS 1106 ONLINE

BL02	Lyra Hilliard M 11:00am - 12:15pm W 11:00am - 12:15pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) TWS 1106 ONLINE
BL03	Douglas Kern M 12:30pm - 1:45pm W 12:30pm - 1:45pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) TWS 1106 ONLINE
BL04	Douglas Kern M 2:00pm - 3:15pm W 2:00pm - 3:15pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) EDU 2101 ONLINE
BL05	Joani Elliott MF 12:00pm - 12:50pm Class time/details on ELMs *This class meets in person twice a week; the other class work is done online.*	Seats (Total: 19) ARC 1123 ONLINE
BL06	Joani Elliott MF 1:00pm - 1:50pm Class time/details on ELMs *This class meets in person twice a week; the other class work is done online.*	Seats (Total: 19) ARC 1123 ONLINE
BL07	David Brookshire Tu 9:30am - 10:45am Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 2120 ONLINE
BL08	David Brookshire Tu 11:00am - 12:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) KEY 0124 ONLINE
BL09	Thomas Earles Tu 12:30pm - 1:45pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) KEY 0119 ONLINE

BL10	David Brookshire Tu 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 19) SQH 1121 ONLINE
	This class meets in person once a week; the other class work is done online.	

ENGL101A **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

1702	Kirk Greenwood MWF 11:00am - 11:50am	Seats (Total: 15) SQH 2122

ENGL101S **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

Restricted to College Park Scholars.

0109	Kirk Greenwood MWF 9:00am - 9:50am	Seats (Total: 19) CCC 1105
0209	Catherine Bayly MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1105
0309	Catherine Bayly MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1105
0409	Radford Skudrna MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1105
0509	Radford Skudrna MWF 1:00pm - 1:50pm	Seats (Total: 19) CCC 1105
0609	Radford Skudrna MWF 2:00pm - 2:50pm	Seats (Total: 19) CCC 1105

1109	John Kim TuTh 9:30am - 10:45am	Seats (Total: 19) CCC 1115
1209	John Kim TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1105
1309	Christopher Hazlett TuTh 12:30pm - 1:45pm	Seats (Total: 19) CCC 1115
1409	Christopher Hazlett TuTh 2:00pm - 3:15pm	Seats (Total: 19) CCC 1105

ENGL101X **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors: 1) a minimu m score of 100 on the iBT 2) a minimum score of 7 on the IELTS or 3) successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

2003	Amanda Fiore TuTh 11:00am - 12:15pm	Seats (Total: 18) SQH 2117
2004	Nataliya Pratsovyta MWF 10:00am - 10:50am	Seats (Total: 18) HBK 0109
2005	William Pittman MWF 12:00pm - 12:50pm	Seats (Total: 18) PLS 1184

ENGL201 **Inventing Western Literature: Ancient and Medieval Traditions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Jonathan Williams MWF 2:00pm - 2:50pm	Seats (Total: 30) TWS 0214

ENGL202 **Inventing Western Literature: Renaissance to Modern**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0101	Sarah Pleydell MWF 11:00am - 11:50am	Seats (Total: 30) TWS 0214

ENGL206 **Shakespeare**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Credit only granted for: ENGL205, ENGL206, or ENGL289I. Formerly: ENGL205.

Shakespeare's poems, history plays, comedies, and tragedies as investigations into language use, governance, sexuality, ethics, and mortality.

0101	Kayla Harr TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1114
0201	Jeffrey Griswold MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0123

ENGL221 **American Literature: Beginning to 1865**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0101	Susanna Compton TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 0212

ENGL222 **American Literature: 1865 to Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0101	Lewis Gleich TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0221

ENGL233 **Introduction to Asian American Literature**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.

A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis M 2:00pm - 4:30pm	Seats (Total: 35) SQH 1101

ENGL234 **African-American Literature and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

An exploration of the stories black authors tell about themselves, thei communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America.

Also offered as AASP298L. Credit granted for AASP298l or ENGL234.

0101	Mary Washington TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0236
0102	Edlie Wong TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0205

ENGL243 **What is Poetry?**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL	General Education: DSHU

An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0301	Mary Foster TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0125	
0401	Lindsay Bernal TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 0214	

ENGL244 **The Play's the Thing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Katherine Stanutz TuTh 9:30am - 10:45am	Seats (Total: 30) SQH 2117	

ENGL245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Steve Beaulieu TuTh 12:30pm - 1:45pm Tu 6:10pm - 8:40pm	Seats (Total: 30) SQH 2117 TWS 0207	 Lab
0201	Marit Knollmueller MW 2:00pm - 3:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0234 TWS 1100	 Lab
0301	Marit Knollmueller MW 11:00am - 12:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0205 TWS 1100	 Lab

0401	Brian Davis	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	TWS 0221	
	Th 5:00pm - 7:30pm	TWS 1100	Lab

ENGL250 **Reading Women Writing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0201	Sarah Bonnie	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	KEY 0125	

ENGL255 **Literature of Science and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Credit only granted for: ENGL255 or ENGL278T. Formerly: ENGL278T.

Examines science and technology through the lens of British and America literature, primarily between 1800 and the present. Readings from early natural and experimental philosophers of the Scientific Revolution and Enlightenment. How literary works represent the ethics of science and technology; beneficial developments of science, and also heavy toll of industrialization. Writers studied may include Francis Bacon, Mary Shelley, Charles Darwin, H.G. Wells, Albert Einstein, Aldous Huxley, Richard Feynman, Philip K. Dick, Octavia Butler, Michael Frayn, and Tom Stoppard.

0101	Daniel Kason	Seats (Total: 30)	
	MWF 10:00am - 10:50am	SQH 1105	
0201	Collier Cobb	Seats (Total: 30)	
	MWF 12:00pm - 12:50pm	KEY 0125	

ENGL261 **Recovering Oral Histories: Caribbean and Latin American Communities in the USA and Britain**

Credits: 3 | Grading Method: Regular | General Education: DSHU, DSSP

Credit only granted for: ENGL261 or ENGL361.

Project-based course to record oral histories of Caribbean American and Latin American communities in the Washington area. Interview and oral history techniques; recording and videotaping oral histories; transcribing and writing stories as oral histories.

0101	Merle Collins TuTh 9:30am - 10:45am	Seats (Total: 5) TWS 3250

ENGL262 **Introduction to the Hebrew Bible/Old Testament**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Also offered as: JWST262. Credit only granted for: JWST262, HEBR223, or ENGL262. Formerly: HEBR223.

An exploration of the origins and compositional history of biblical literature. Critical study of texts and socio-historical analysis of their background.

Contact department for information to register for this course.

ENGL265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1105
0201	John Macintosh MWF 1:00pm - 1:50pm	Seats (Total: 30) SQH 1105

ENGL269B **Special Topics in Study Abroad II; Writing Workshop I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269C **Special Topics in Study Abroad II; Writing Workshop II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269R **Special Topics in Study Abroad II; Writing Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269X **Special Topics in Study Abroad II; Theories of Text**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Rachel Waugh TuTh 11:00am - 12:15pm	Seats (Total: 20) KNI 1103
0201	Mary Foster TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 0201
0301	Kendisan Kusumaatmadja MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0123

ENGL272 **Writing Fiction: A Beginning Workshop**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Lindsay Fowler TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 1106
0201	Jesse Brooks TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1123
0301	Carissa Halston MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0201
0401	Ali Goldstein TuTh 12:30pm - 1:45pm	Seats (Total: 20) KNI 1103

ENGL273 **Writing Poetry: A Beginning Workshop**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Ruth Morris TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 1105
0201	Anne Price MW 11:00am - 12:15pm	Seats (Total: 20) TWS 0221

ENGL274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must not have completed ENGL278C, AASP298W, ENGL271, ENGL274, ENGL294, ENGL294N, or AASP274. Also offered as: AASP274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: ENGL278C.

Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

Also offered as AASP298W.

0101	Dorothy Phaire	Seats (Total: 20)
	TuTh 9:30am - 10:45am	NCC 0120

ENGL278D **Special Topics in Literature; Writing to be Seen: Scriptwriting for Theatre, Film and Tel evision**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

Also offered as ARHU319B. Credit will be granted for ARHU319B and ENGL 278D.

0101	Douglas Kern	Seats (Total: 20)
	MWF 10:00am - 10:50am	SQH 1123

ENGL280 **The English Language**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Introduction to the structure of English and its historical development with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

0101	Noa Saunders	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 2122

ENGL281 **Standard English Grammar, Usage, and Diction**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Cameron Mozafari	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1101

ENGL289J **What is Justice? Literature and the Invention of Ethical Imagination**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

How is it that we crave justice as much as we crave love or money? This course seeks to answer this question by examining literature's unique ability to animate the concrete human passions underlying the most abstract ethical dilemmas. We will consider how literary texts have shaped our understanding of justice, and more particularly, how fiction defines, critiques, challenges, and even alters a given society's comprehension of equity and inequity, crime and punishment, pardon and torture, and ideas about civil liberties and human rights.

0101	Amanda Bailey MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0102	Amanda Bailey MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0103	Amanda Bailey MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0104	Amanda Bailey MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 0221	Discussion

ENGL289P **Why Poetry Matters**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU, SCIS

Why does poetry matter? A wide-ranging course that introduces students to the formal fundamentals of poetry while exploring the role poetry plays in how we think about the human condition; what constitutes knowledge and wisdom, interior subjectivity and communal identity; and how this knowledge is to be used in confronting new challenges and the perennial questions: how to live with oneself, and as oneself; in time, and with others; here, where we reside; and elsewhere, where we imagine ourselves going.

0101	Joshua Weiner MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion

0102	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion
0103	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 TWS 0205	Discussion
0104	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion
0105	Joshua Weiner MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) JMZ 0220 TWS 0201	Discussion
0106	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) JMZ 0220 TWS 0205	Discussion

ENGL289T **Representing Technology/Technologies of Representation: Techno Monstrosities**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

How do we initially understand new technologies, and how do these modern instrumentalities in turn represent us? This course seeks to address this double-edged question by looking at a series of nineteenth-century American, French, German, and British novels and stories from Frankenstein (1818) to Dracula (1897) featuring recently introduced media and inventions such as photographs, phonographs, automata, and motion pictures that are themselves (like works of literature) concerned with reproducing "reality," including recording various aspects of the human body and human consciousness.

0101	Jonathan Auerbach TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 1106	Discussion
0102	Jonathan Auerbach TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1106	Discussion

0103	Jonathan Auerbach TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 1106	 Discussion
0104	Jonathan Auerbach TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 1106	 Discussion

ENGL291 **Intermediate Writing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

Writing essays, the revision process, and editing techniques.

Contact department for information to register for this course.

ENGL292 **Writing for Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: Permission of ARHU-English department. Recommended: ENGL101. Restriction: Requires application and references.

Service learning in collaboration with students at area high schools. Explores how writing can be a tool for social change. Participants serve as mentors, create a performance event concerning a pressing social issue, and compose reflections, literacy narratives, publicity materials, and a multimodal project. Focus on developing critical self-awareness.

Also offered as ENGL388C.

0101	Justin Lohr TuTh 11:00am - 12:15pm Tu 9:30am - 10:45am	Seats (Total: 18) TWS 3132 TWS 3132	 Lab

ENGL293 **Writing in the Wireless World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DSSP

Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z.

A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, analyze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232

ENGL295 **Literature in a Wired World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W.

An introduction to the changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

0101	Kathryn Kaczmarek MWF 12:00pm - 12:50pm	Seats (Total: 30) WDS 0104
0201	Nicholas Slaughter TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0223

ENGL301 **Critical Methods in the Study of Literature**

Credits: 3 Grading Method: Regular

Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program.

An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Theresa Coletti MW 11:00am - 12:15pm	Seats (Total: 23) TWS 3132
0301	Theresa Coletti MW 2:00pm - 3:15pm	Seats (Total: 23) TWS 3132
0401	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 23) TWS 0205
0501	Kimberly Coles TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 0205

ENGL304 **The Major Works of Shakespeare**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Must not have completed ENGL403 or ENGL404.

Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Amanda Bailey	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0205

ENGL305 **Shakespeare and His Contemporaries: An Introduction**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

0101	Kent Cartwright	Seats (Total: 30)
	TuTh 8:00am - 9:15am	TWS 0214

ENGL310 **Medieval and Renaissance British Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Christopher Crane	Seats (Total: 30)
	MW 9:30am - 10:45am	TWS 0201

ENGL312 **Romantic to Modern British Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Detailed study of selected major texts from the 19th and 20th centuries Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

0101	Michael Olmert	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 0221

ENGL313 **American Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A detailed study of selected major texts of American literature from th 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Sharada Balachandran Orihuela	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 0236

ENGL317 **African American Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Consideration of key texts in African American literature that explore the experiences of people of African descent in America from the mid-nineteenth century to the contemporary moment. Relationship between literary texts, historical events and cultural formations. Examines a range of texts and genres (autobiography, slave narrative, travel narrative, poetry, essays, fiction), and their contribution to national literary tradition.

Also offered as AASP398C. Credit grandted for AASP398C or ENGL317.

0101	Instructor: TBA	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0214

ENGL329A **Special Topics in Film Studies; Cinema of Liberation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Also offered as CMLT398C. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film.

0101	Eugene Robinson	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TWS 1107	
	Tu 3:30pm - 6:00pm	TWS 1107	Lab

0201	Eugene Robinson	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TWS 1107	
	Tu 3:30pm - 6:00pm	TWS 1107	Lab

ENGL329K **Special Topics in Film Studies; The Films of Billy Wilder**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; and permission of ARHU-College of Arts & Humanities. Restriction: Must not have completed FILM346 Also offered as FILM346. Credit will be granted for ENGL329K or FILM 346. An examination of Billy Wilder's five-decade-long career, spanning a variety of genres, approaches, and languages.

0101	Oliver Gaycken	Seats (Total: 30)
	M 4:00pm - 8:00pm	TWS 0201

ENGL346 **Twentieth Century Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Brian Richardson	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0221

ENGL348P **Literary Works by Women; Women on the Plantation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

The context, form, style and meaning of literary works by women.

Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 1107

ENGL352 **Intermediate Fiction Workshop**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396.

A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

0101	Carlea Holl-Jensen M 3:30pm - 6:00pm	Seats (Total: 15) TWS 3248
0301	Thomas Earles Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3248

ENGL353 **Intermediate Poetry Workshop**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397.

A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

0101	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3248

ENGL359C **Special Topics in Lesbian, Gay, and Bisexual Literatures; Queer Comedy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Study of selected writers or particular themes in Lesbian, Gay, and Bisexual Literatures.

Also offered as LGBT359M. Prerequisite: Two lower-level English courses,at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Intensive study of comedy, especially provocative humor inflected by attention to sexual issues of being and performance. Particular attention will be paid to LGBTQ comedians, writers, performers with additional emphasis on race, gender,class, ethnicity, disability. Texts include screen and stage performances as well as novels and poems.

0101	Martha Nell Smith	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	TWS 0236

ENGL360 **African, Indian and Caribbean Writers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Selected writers from countries formerly colonies of Britain, France, Denmark, etc. Attention to ways regions have developed distinctive political and aesthetic values resulting from indigenous traditions and foreign influences.

0101	Sangeeta Ray	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TWS 0214

ENGL361 **Recovering Oral Histories: Caribbean and Latin American Communities in the USA and Britain**

Credits: 3 Grading Method: Regular General Education: DSHU, DSSP

Prerequisite: Must have completed at least one course in English or Latin American Studies. Credit only granted for: ENGL261 or ENGL361.

Project-based course to record oral histories of Caribbean American and Latin American communities in the Washington area. Interview and oral history techniques; recording and videotaping oral histories; transcribing and writing stories as oral histories.

0101	Merle Collins	Seats (Total: 10)
	TuTh 9:30am - 10:45am	TWS 3250

ENGL362 **Caribbean Literature in English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHU, DVUP

Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

Contact department for information to register for this course.

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Comparisons among the literary traditions in Africa, the Caribbean, and North and South America.

Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Also offered as AASP398D. Credit granted for ENGL368B or AASP398D.

0101	Barry Pearson	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TWS 0234

ENGL368C **Special Topics in the Literature of Africa and the African Diaspora; Caribbean Stop: Poetry and Short Stories from the Region**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DSHU, DVUP

Comparisons among the literary traditions in Africa, the Caribbean, and North and South America.

Students will work in the classroom and with the Cultural Academy for Excellence (CAFE), a Prince George's community group, to stage a performance event and introduce elementary school students to the literature and culture of the Carribbean. Lab (CAFE) time to be organized according to student schedules.

0101	Merle Collins	Seats (Total: 18)
	TuTh 12:30pm - 1:45pm	TWS 0201

ENGL369G **Special Topics in Study Abroad III; Adapting Literature to the Screen**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369H **Special Topics in Study Abroad III; London Stage**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369I **Special Topics in Study Abroad III; Images of Italy in the U.K. and U.S.A.**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369K **Special Topics in Study Abroad III; Great Directors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369Q **Special Topics in Study Abroad III; Literature of the Shoah**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369X **Special Topics in Study Abroad III; Literature in Liguria**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369Z **Special Topics in Study Abroad III; The London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL370 **Junior Honors Conference**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Candidacy for honors in English.

Preparation for writing the senior honors project.

0101	Randy Ontiveros W 3:30pm - 5:00pm	Seats (Total: 20) TWS 0224

ENGL379G **Special Topics in Literature; Science, Gender, and Classic Science Fiction**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit granted for ENGL379G, ENGL255, or HONR298G. This course is restricted to English majors with overall GPAs of 3.4 or above. Interested students should contact the English Undergraduate Stud ies Office (english@umd.edu) for permission.

0101	Jane Donawerth TuTh 2:00pm - 3:15pm	Seats (Total: 10) TWS 3252

ENGL379P **Special Topics in Literature; Fractured Sentences: Prison Literature and the Rhetoric of Resistance**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Christopher Hazlett TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 1106

ENGL379R **Special Topics in Literature; The Jazz Paradigm**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as CMLT398D. Prerequisite: two lower-level English courses.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0236

ENGL383 **The Uses of Language**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Exploration of the social and political aspects of language use, including conversational behavior, persuasive uses of language, social dialects, and language and gender; analytical methods of pragmatics and discourse analysis.

0101	Linda Coleman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL388A **Writing Internship; Second Life Workshop-African American Literature**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Field work in English.

Contact department for information to register for this course.

ENGL388C **Writing Internship; Writing for Change**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Field work in English.

For permission to register, contact hlinden@umd.edu. Also offered as ENGL292. Service learning in collaboration with students at area high schools. Explores how writing can be a tool for social change. Participants serve as mentors, create a performance event concerning a pressing social issue, and compose reflections, literacy narratives, publicity materials, and a multimodal project. Focus on developing critical self-awareness.

0101	Justin Lohr	Seats (Total: 18)	
	TuTh 11:00am - 12:15pm	TWS 3132	
	Tu 9:30am - 10:45am	TWS 3132	Lab

ENGL388D **Writing Internship; Dickinson Electronic Archives**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Field work in English.

Prerequisite: permission of the department. Contact Professor Martha Nell Smith, mnsmith@umd.edu

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388M **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Field work in English.

Also offered as HONR379W.

0101	Thomas Lowderbaugh	Seats (Total: 20)
	Contact instructor or department for details.	
	Students should register for six credits.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Field work in English.

Prerequisite: permission of the department. Contact english@umd.edu.

0101	Karen Lewis	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

(Perm req)

Credits: 1-6 Grading Method: Regular

Field work in English.

Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu.

0101	Neil Fraistat	Seats (Total: 10)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; MITH Internships**

(Perm req)

Credits: 1-6 Grading Method: Regular

Field work in English.

Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu

0101	Neil Fraistat	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL388V **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Field work in English.

Prerequisite: permission of department. Repeatable to 9 credits. Contact Dr. Linda Macri, lmacri@umd.edu.

0101	Linda Macri Tu 5:00pm - 6:15pm	Seats (Total: 20) TWS 1106
0201	Linda Macri Contact instructor or department for details.	Seats (Total: 20)

ENGL388W **Writing Internship; Writing Center Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Field work in English.

Prerequisite: permission of the department. Contact the Writing Center, writadmin@umd.edu.

0101	Thomas Earles, Leigh Ryan M 3:30pm - 6:00pm *Students should register for four credits.*	Seats (Total: 20) TWS 3132

ENGL390 **Science Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.

Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences.

Click here for more course information.

0101	Mary Shea MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0224
0201	Mary Shea MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0224
0301	Mary Shea MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0224

0401	Katherine Oneill MWF 12:00pm - 12:50pm	Seats (Total: 19) WDS 1131
0501	Katherine Oneill MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 1111
1001	Michelle Boswell TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0221
1101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0119
1102	Michelle Boswell TuTh 9:30am - 10:45am	Seats (Total: 19) TYD 1102
1201	John Matthews TuTh 11:00am - 12:15pm	Seats (Total: 19) KEY 0119
1301	John Matthews Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TYD 2102 TYD 2108
1501	Paul Haynos TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 1105
1505	Paul Haynos TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 1105
1801	Instructor: TBA W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0236

ENGL391 **Advanced Composition**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

Click here for more information on professional writing courses.

0101	Kara Pleasants MWF 9:00am - 9:50am	Seats (Total: 19) JMZ 3203
0201	Donald McNeilly MWF 10:00am - 10:50am	Seats (Total: 19) TWS 1105
0301	Kara Pleasants MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1105
0302	Donald McNeilly MWF 11:00am - 11:50am	Seats (Total: 19) ARC 1123
0401	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0115
0402	Catherine Bayly MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0123
0501	Donald McNeilly MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1105
0502	Catherine Bayly MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0207
0601	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 19) PLS 1172
0701	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 19) JMZ 2122
1101	Danuta Hinc TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0232
1202	Danuta Hinc TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0232
1301	Danuta Hinc TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0232
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230

1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
BL01	Lyra Hilliard M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) ASY 3221 ONLINE
BL02	Melanie Faith Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) SQH 1111 ONLINE
BL03	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) SQH 2120 ONLINE
BL04	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) LEF 1221 ONLINE

ENGL391H **Advanced Composition**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

Restricted to students in the University or departmental Honors program.

Click here for more information on professional writing courses.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0234

ENGL392 **Legal Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters.

Click here for more information on professional writing courses.

0201	Robin Earnest MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0230
0301	Robin Earnest MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0230
1101	William Schatz TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0234
1201	William Schatz TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0207
1301	John Kim TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0234
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1701	Michael Winett Tu 6:30pm - 10:00pm	Seats (Total: 19) TWS 0232
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232

ENGL393 **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

Click here for more information on professional writing courses.

0101	Samantha Gendler MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0223

0201	Samantha Gendler MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0223
0202	Peter Grybauskas MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1112
0301	Joan Mooney MWF 11:00am - 11:50am	Seats (Total: 19) SKN 1112
0302	Samantha Gendler MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0223
0501	Joan Mooney MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0234
0801	Candace Orsetti MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232
1101	Connie Inukai TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 2102
1102	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 19) LEF 1221
1201	Connie Inukai TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0234
1202	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 19) LEF 1222
1501	Daniel Saalfeld TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0232
1505	Daniel Saalfeld TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232
1506	Mary Sirianni TuTh 5:00pm - 6:15pm	Seats (Total: 19) ASY 3211
1601	Amanda Olson M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224

1602	Paul Haynos M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1603	Andrew Delfino M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
1701	Daune O'Brien Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1702	Amanda Olson Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1703	Paul Haynos Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
1801	Sajeela Yaqub W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1802	Andrew Delfino W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
1803	Caleb Kriesberg W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0201
1901	Daune O'Brien Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1902	Daniel Saalfeld Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1903	Caleb Kriesberg Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106
3001	Alexandra Calloway F 9:00am - 11:40am	Seats (Total: 19) ARC 1121
BL01	Phillip Moses Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 19) ONLINE TWS 0207
Blended Learning courses combine face-to-face and online interactions.		

BL02	Phillip Moses Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) ONLINE KEY 0124
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Phillip Moses Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) ONLINE KEY 0120
	Blended Learning courses combine face-to-face and online interactions.	
BL04	Sheila Lalwani Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 19) ONLINE TYD 2108
	Blended Learning courses combine face-to-face and online interactions.	
BL05	Sheila Lalwani Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) ASY 3221 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL06	Phillip Moses Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) ONLINE EDU 0202
BL07	Sheila Lalwani Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) JMZ 3205 ONLINE
BL10	Pamela Orel M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) ASY 3219 ONLINE
BL11	Robert Schubert M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) ONLINE TWS 0201
BL12	Pamela Orel M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) KEY 0124 ONLINE

BL21	Robert Schubert M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) ONLINE TWS 0207
BL22	Pamela Orel M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 0207 ONLINE
BL23	Michelle Von Euw Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) SQH 1121 ONLINE
BL24	Michelle Von Euw Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) SQH 1103 ONLINE
BL41	Pamela Orel M 8:00pm - 9:15pm W 8:00pm - 9:15pm	Seats (Total: 19) TWS 1105 ONLINE

ENGL393H **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

Restricted to students in the University or departmental Honors proram.

Click here for more information on professional writing courses.

0601	Christopher Crane MW 2:00pm - 3:15pm	Seats (Total: 19) TYD 0102

ENGL393X **Technical Writing**

(Perm req)

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

Restricted to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X.

Click here for more information on professional writing courses.

1401	Daniel Saalfeld TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 0223

ENGL394 **Business Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style.

Click here for more information on professional writing courses.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 19) TWS 1105
0201	Karen Angeline MWF 10:00am - 10:50am	Seats (Total: 19) HBK 1108
0202	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0207
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 19) KEY 0119
0302	Ceil Goldberg M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 19) TWS 0232 TWS 0232
0401	Ceil Goldberg MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0232
0402	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0234

0501	Karen Angeline MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0236
0601	Ceil Goldberg MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0232
0602	Ellen Blumner MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0230
0701	James Mattson MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 1105
0702	Ellen Blumner MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0230
0801	Ellen Blumner MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0230
0802	James Mattson MW 5:00pm - 6:15pm	Seats (Total: 19) WDS 1131
1102	Elizabeth McClure TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0221
1103	Donald McGlew TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0207
1201	Elizabeth McClure TuTh 11:00am - 12:15pm	Seats (Total: 19) EDU 2101
1202	Donald McGlew TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 1105
1302	Frederick Bolton TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 1105
1303	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0207
1401	Thomas Lowderbaugh TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0230

1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2119
1403	Shayna Maskell TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0207
1502	Shayna Maskell TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 1106
1503	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) HBK 0123
1505	Shayna Maskell TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0214
1506	Danuta Hinc TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0230
1601	Instructor: TBA M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0236
BL01	Clare Parsons Th 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 19) TWS 1106 ONLINE
BL02	Clare Parsons Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 19) SQH 1111 ONLINE
BL03	Clare Parsons Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 19) EDU 0206 ONLINE
BL04	Katherine Wilson M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) ONLINE TYD 0111
BL05	Katherine Wilson M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) ONLINE TYD 1108

SG91	Katherine Robinson TuTh 8:00am - 9:15am	Seats (Total: 22) BLD3 3242
	Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Katherine Robinson TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 3242
	Restricted to Junior BMGT-Shady Grove students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	James Ball TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 3242
	Restricted to Junior BMGT-Shady Grove students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Holly Smith TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 4203
	Restricted to Junior BMGT-Shady Grove students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Holly Smith TuTh 2:00pm - 3:15pm	Seats (Total: 21) BLD3 4203
	Restricted to Junior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG98	James Ball TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 4226
	This section is restrcited to COMM students enrolled at Shady Grove.	

ENGL395 **Writing for Health Professions**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.

Click here for more information on professional writing courses.

0101	James Goodwin MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0214
0201	James Goodwin MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0116
0301	James Goodwin MWF 11:00am - 11:50am	Seats (Total: 19) KNI 1105
0401	James Goodwin MWF 12:00pm - 12:50pm	Seats (Total: 19) ASY 3217
0601	Kisa Lape MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0223
0701	Kisa Lape MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0223
0801	Kisa Lape MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0223
1002	Instructor: TBA TuTh 8:00am - 9:15am	Seats (Total: 19) ARM 0121
1101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) ARM 0121
1401	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2122
1501	Martha Thomas TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 2120
1505	Martha Thomas TuTh 5:00pm - 6:15pm	Seats (Total: 19) ASY 3217

1701	Instructor: TBA Tu 6:30pm - 9:10pm	Seats (Total: 19) ASY 3217
1901	Instructor: TBA Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0234
BL01	John Matthews Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) ONLINE SQH 1123
SG91	Joseph Wappel TuTh 12:30pm - 1:45pm *Restricted to Public Health students at -Shady Grove.*	Seats (Total: 22) BLD3 3242
SG92	Joseph Wappel TuTh 2:00pm - 3:15pm *Restricted to Public Health students at Shady Grove.*	Seats (Total: 22) BLD3 2203
SG98	Joseph Wappel TuTh 11:00am - 12:15pm *Restricted to Biological Sciences majors at Shady Grove. All other students email usgbiosci@umd.edu for permission.*	Seats (Total: 22) BLD3 2226

ENGL398A **Topics in Professional Writing; Writing for the Arts**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0801	Douglas Kern, Rebecca Ritzel MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0221
1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1105
1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0125

1801	Douglas Kern, Rebecca Ritzel W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106

ENGL398B **Topics in Professional Writing; Writing for Social Entrepreneurship**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This c ourse satisfies the professional writing requirement.

0601	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 19) CHM 0119
0701	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 19) JMZ 2125
0801	Instructor: TBA MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0124
1601	Instructor: TBA M 6:30pm - 9:10pm	Seats (Total: 19) KEY 0119
1701	Instructor: TBA Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106
1801	Instructor: TBA W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105

ENGL398C **Topics in Professional Writing; Writing Case Studies and Investigative Reports**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0234
0801	Joshua Buursma MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0234
0901	Joshua Buursma MW 6:30pm - 7:45pm	Seats (Total: 19) WDS 1131
SG91	Joseph Wappel TuTh 9:30am - 10:45am *Registration is restricted to CCJS-Shady Grove students.*	Seats (Total: 22) BLD3 2226

ENGL398E **Topics in Professional Writing; Writing about Economics**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0801	Michael Winett MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0224

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite:60 credits and completion of ENGL101. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0207

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0301	Jacob Eckstein MWF 11:00am - 11:50am	Seats (Total: 19) WDS 1131
0401	Jacob Eckstein MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0207
0601	Elizabeth Fixsen MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0207
1101	Zahara Heckscher TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0230
1201	Zahara Heckscher TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0230
1301	Rebecca Holden Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0224 TWS 0224
1401	Rebecca Holden TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224

ENGL398R Topics in Professional Writing; Writing Non-Fictional Narratives

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

1001	Pamela Gerhardt TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0224

1101	Pamela Gerhardt TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0224
1102	Stewart Foehl TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1172
1201	Pamela Gerhardt TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0224
1202	Stewart Foehl TuTh 11:00am - 12:15pm	Seats (Total: 19) BPS 1232
1505	Pamela Gerhardt TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0224

ENGL398V **Topics in Professional Writing; Writing about the Environment**

Credits: 3 Grading Method: Regular General Education: FSPW

Professional writing courses that focus on the audiences, conventions, and genres of particular disciplines, professions, or organizations. Examples include writing for the arts, writing case studies and investigative reports, writing about economics, and writing for non-profit organizations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0601	Ann Bracken MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 1105
0701	Ann Bracken MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0207
0801	Lindsay Jacoby MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0236
1501	Ann Mason TuTh 3:30pm - 4:45pm	Seats (Total: 19) KEY 0123
1505	Ann Mason TuTh 5:00pm - 6:15pm	Seats (Total: 19) ASY 3221

1507	Ann Mason TuTh 6:30pm - 7:45pm	Seats (Total: 19) TWS 0201
1601	Lindsay Jacoby M 6:30pm - 9:10pm	Seats (Total: 19) ASY 3217
1801	Ann Mason W 6:30pm - 9:10pm	Seats (Total: 19) ASY 3221

ENGL402 **Chaucer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 25) TWS 0201

ENGL403 **Shakespeare: The Early Works**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Kimberly Coles TuTh 3:30pm - 4:45pm	Seats (Total: 25) TWS 0201

ENGL404 **Shakespeare: The Later Works**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Theodore Leinwand	Seats (Total: 25)
	MW 11:00am - 12:15pm	TWS 0201

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409K **Study Abroad Special Topics IV; A Moveable Feast: Writing about Food**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Laura Rosenthal	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TWS 0205

ENGL420 **English Romantic Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

British poetry, drama, fiction, and criticism c.1790 to c.1830, a perio of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang	Seats (Total: 25)
	MW 12:30pm - 1:45pm	TWS 0221

ENGL428X **Seminar in Language and Literature; Fantastic Voyages: Modern Media of Exploration and Discovery**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics will vary each semester. The course will provide a seminar experience in material or methodologies not otherwise available to the major.

Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Oliver Gaycken	Seats (Total: 18)
	MW 2:00pm - 3:15pm	TWS 3136

ENGL428Z **Seminar in Language and Literature; Birth of Modern America**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics will vary each semester. The course will provide a seminar experience in material or methodologies not otherwise available to the major.

Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Jonathan Auerbach	Seats (Total: 18)
	TuTh 3:30pm - 4:45pm	TWS 3252

ENGL429 **Independent Research in English**

(Perm req)

Credits: 1-6 Grading Method: Regular

An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.

Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Edlie Wong TuTh 5:00pm - 6:15pm	Seats (Total: 25) TWS 0205

ENGL435 **American Poetry: Beginning to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Selections of American poetry, from Bradstreet to contemporary free verse. Authors such as Whitman, Dickinson, Bishop, Hughes, Rich, and Frost.

Also offered as LGBT459M. Credit granted for ENGL435 or LGBT459M.

0101	Martha Nell Smith TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0236

ENGL437 **Contemporary American Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Randy Ontiveros MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0221

ENGL440 **The Novel in America to 1914**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	Robert Levine	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 0214

ENGL444 **Feminist Critical Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: WMST200, WMST250, or ENGL250. Also offered as: WMST444. Credit only granted for: ENGL444 or WMST444.

Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

0101	Jessica Enoch	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 1106

ENGL454 **Modern Drama**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

0101	Michael Olmert	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TWS 0214

ENGL456 **The Nineteenth-Century English Novel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

Contact department for information to register for this course.

ENGL462 **Folksong and Ballad**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson	Seats (Total: 10)
	Th 6:30pm - 9:00pm	TWS 3132

ENGL467 **Computer and Text**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: One English course in literature; or permission of ARHU-English department.

Examines electronic literature and other aspects of digital textuality. Topics may include interactive fiction, hypertext, image and sound works, literary games and simulations. Emphasis on critical and theoretical approaches rather than design or programming.

0101	Kari Kraus	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TWS 0205

ENGL470 **African-American Literature: The Beginning to 1910**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Beginnings of African-American literature including origins of literary expression in folk tales, songs, and spirituals; slave narratives; pamphlets, essays and oratory; and the emergence of poetry and fiction. Emphasis is on interaction between literary forms and the salient political issues of the day.

Also offered as AASP478B. Credit granted for AASP478B or ENGL470.

0101	Robert Levine	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 1106

ENGL478E **Selected Topics in English and American Literature before 1800; The Story of Troy: An Ancient Tale Told and Retold**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Linda Coleman	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 0201

ENGL478K **Selected Topics in English and American Literature before 1800; Early Modern to Postmodern Poetry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature or permission of ARHU- English department. Repeatable to 9 credits if content differs.

0101	David Wyatt	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 1106

ENGL479B **Selected Topics in English and American Literature after 1800; Black Performance: From Slavery to Hip Hop**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Instructor: TBA	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 0236

ENGL479E **Selected Topics in English and American Literature after 1800; Global Literature, Film, and the Environment**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Sangeeta Ray	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TWS 1106

ENGL479L **Selected Topics in English and American Literature after 1800; 21st Century African American Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Mary Washington	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 0236

ENGL487 **Foundations of Rhetoric**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENGL487 or COMM401.

Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Jane Donawerth	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 1107

ENGL495 **Independent Study in Honors**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English.

Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop; Advanced Fiction Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An advanced class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and to colleagues' fiction, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

Prerequisite: ENGL396 or ENGL352; or permission of department.

0101	Howard Norman Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136
0201	Instructor: TBA W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3134

ENGL499 **Advanced Poetry Workshop; Advanced Poetry Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An advanced class in the making of poetry. Intensive discussion of students' own poems. Readings include both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, and attendance at poetry readings.

Prerequisite: ENGL397 or ENGL353; or permission of department.

0101	Stanley Plumly Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3132

ENGL601 **Literary Research and Critical Contexts**

Credits: 3 Grading Method: Regular, Audit

For majors only.

0101	Ralph Bauer M 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250

ENGL602 **Critical Theory and Literary Criticism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Brian Richardson M 6:30pm - 9:00pm	Seats (Total: 16) TWS 3136

ENGL607 **Readings in the History of Rhetorical Theory to 1900**

Credits: 3

Grading Method: Regular, Audit

Earlier theories of effective written discourse surveyed historically and as influenced by ethical, technical, and social change.

For majors only.

0101	Vessela Valiavitcharska	Seats (Total: 14)
	W 3:30pm - 6:00pm	TWS 3132

ENGL611 **Approaches to College Composition**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students).

A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Scott Wible	Seats (Total: 18)
	Tu 6:30pm - 9:00pm	TWS 3132

ENGL629C **Readings in Folklore and Folklife; Ballad and Folksong**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Readings pertaining to various genres of folklore and myth such as oral narrative, epic poetry, ballad, folksong, belief, custom and material culture, with special attention given to the history of the study of folklore including fieldwork, interpretation and the political application of these materials. Explores issues of ethnicity, geography, religion, race, gender, and class, as well as the ongoing relations between orality, literacy, print, and other media.

0101	Barry Pearson	Seats (Total: 10)
	Th 6:30pm - 9:00pm	TWS 3132

ENGL630 **Readings in 20th Century English Literature**

Credits: 3

Grading Method: Regular, Audit

For majors only.

0101	Christina Walter M 6:30pm - 9:00pm	Seats (Total: 16) TWS 3252

ENGL631 **Readings in 20th Century American Literature**

Credits: 3 Grading Method: Regular, Audit

For majors only.

0101	David Wyatt Tu 3:30pm - 6:00pm	Seats (Total: 16) TWS 3250

ENGL688 **Poetry Workshop; Poetry Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Poetry workshop.

0101	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 12) TWS 2123
0201	Joshua Weiner W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3136

ENGL689 **Fiction Workshop; Fiction Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Fiction workshop.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENGL738T **Seminar in Nineteenth-Century Literature; Technoromanticism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Neil Fraistat W 6:30pm - 9:00pm	Seats (Total: 12) TWS 3248

ENGL748F **Seminar in American Literature; Multicultural Literatures of the U.S.**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Sharada Balachandran Orihuela Tu 6:30pm - 9:00pm	Seats (Total: 11) TWS 3248

ENGL749J **Studies in Twentieth-Century Literature; Testimony: Trauma, History, and Narratives of Witness**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Also offered as JWST619J. Credit granted for ENGL749J or JWST619J. Focusing on testimony from a variety of different theoretical perspectives in an attempt to construct a methodology for identifying, reading, and interpreting testimony in oral, visual, textual, or even fictional media, students will be responsible for analyzing and presenting audio or video Holocaust testimonies collected from the archives of the United States Holocaust Memorial Museum. The presentations will pertain to the theoreticla materials on the testimonies we will be reading. Students will have the opportunity to test the resilience and the limits of testimonial discourse generated within the context of the Holocaust.

0101	Sheila Jelen M 3:30pm - 6:00pm	Seats (Total: 11) TWS 3134

ENGL749K **Studies in Twentieth-Century Literature; Material Witnesses: Transnational and Transmedia Literture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Linda Kauffman Tu 3:30pm - 6:00pm	Seats (Total: 11) TWS 3134

ENGL788 **Studies in Poetic Form; Form and Theory in Poetry**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Michael Collier	Seats (Total: 15)
	Th 3:30pm - 6:00pm	TWS 3250

ENGL789 **Form and Theory in Fiction**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

A variety of prose modes (mediations, psychological studies, reportage myths, collage, magic realism, satire, etc.). Some of the writers to be read include Kafka, Cather, Barth, Kundera, and Barthelme.

0101	Maud Casey	Seats (Total: 15)
	Th 3:30pm - 6:00pm	TWS 3136

ENGL798B **Critical Theory Colloquium**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

An intensive advanced exploration of current problems and issues in critical theory.

0101	Orrin Wang	Seats (Total: 15)
	TBA	TWS 3132

ENGL799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENGL809 **Academic Publishing Workshop**

(Perm req)

Credits: 1-2 Grading Method: Sat-Fail

A workshop for the preparation of articles of other critical writing fo publication in academic journals or other professional venues.

0101	Jonathan Auerbach	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL878 **Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for PhD students from a faculty member.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENMA Engineering, Materials Spring 2015

ENMA300 **Introduction to Materials Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Liangbing Hu MWF 9:00am - 9:50am	Seats (Total: 100) JMP 3201
0201	Isabel Lloyd TuTh 9:30am - 10:45am	Seats (Total: 100) CHE 2108

ENMA301 **Materials for Emerging Technologies**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department.

Five topical areas will be presented, each leading up to specific applications that have recently come to market or are currently experiencing heavy research and development. The goal of each module will be to introduce the basic materials science principles necessary to understand these new areas.

0101	Oded Rabin TuTh 9:30am - 10:45am	Seats (Total: 46) HBK 0115	

ENMA312 **Experimental Methods in Materials Science**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Corequisite: ENMA460. Restriction: Junior standing or higher.

Introduction to experimental methods in materials characterization; synthesis of colloidal nanoparticles; X-ray diffraction and light scattering; optical microscopy; thermal conductivity and expansion; electrical measurements; heat capacity; computational materials design.

0101	Instructor: TBA Tu 8:00am - 9:15am M 9:00am - 11:50am	Seats (Total: 14) EGR 0108 KEB 1135	 Lab
0201	Instructor: TBA Tu 8:00am - 9:15am W 9:00am - 11:50am	Seats (Total: 15) EGR 3102 KEB 1135	 Lab

ENMA315 **Archeology meets Technology: Introduction to Archeometry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Materials Science & Engineering department. Recommended: Some knowledge of archaeology and archaeological methods, geology or chemistry is useful, but not required.

This course focuses on the application of scientific methods of analysis to archaeological materials including bone, stone, pottery, and metal. Methods include absolute dating, remote sensing, optical and SEM microscopy, elemental and isotopic analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods. The course makes use of a challenging textbook, all accessible to undergraduate students. The textbook adopted for the course provides a number of exercises in order to develop thinking and critical abilities.

0101	Instructor: TBA	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	ANS 0402

ENMA412 **Fundamentals of Photovoltaics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department.

Overview of the fundamentals of photovoltaic devices, including principles of operation, with emphasis on the materials science aspects of the different technologies available.

0101	Marina Leite	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 0108

ENMA425 **Introduction to Biomaterials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: BIOE453. Credit only granted for: BIOE453, ENMA489W, or ENMA425. Formerly: ENMA489W.

Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Peter Kofinas	Seats (Total: 57)
	TuTh 11:00am - 12:15pm	CHE 2110

ENMA426 **Reliability of Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA426 or ENMA489R. Formerly: ENMA489R.

Students are taught the basic degradation mechanisms of materials, through the understanding of the physics, chemistry, mechanics of such mechanisms. Mechanical failure mechanisms concentrate on fatigue, and creep. Chemical failure mechanisms emphasize corrosion and oxidation. Physical mechanisms such as diffusion, electromigration, defects and defect migration, surface trapping mechanisms, charge creation and migration are also included.

0101	Instructor: TBA	Seats (Total: 38)	
	TuTh 3:30pm - 4:45pm	EGR 3106	

ENMA432 **Reactor and Radiation Measurements Laboratory**

Credits: 3 Grading Method: Regular

Prerequisite: ENME430; and MATH246; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENME 432 or ENMA 432.

Methods of radiation measurements using modern radiation detectors and processing electronics. Lectures emphasize the principles upon which the measurements depend.

0101	Timothy Koeth, Michael Coplan	Seats (Total: 7)	
	Th 9:30am - 10:20am	SPH 0305	
	Th 2:00pm - 6:00pm	CHE 1306	Lab

ENMA442 **Nanomaterials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA442 or ENMA489N. Formerly: ENMA489N.

An exploration of materials whose structure places them at the boundary between small objects and large molecules. Having characteristic dimensions in the range of 1-100 nanometers, these materials are difficult to synthesize and characterize but are nevertheless at the forefront of science and technology in many fields. Also, the methods for creating, manipulating and measuring these materials with an emphasis on the current scientific literature will be covered. The novel properties and potential applications will also be addressed.

0101	John Cumings	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	CHE 2118	

ENMA460 **Physics of Solid Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in Engineering: Materials Science program. Also offered as: PHYS431. Credit only granted for: ENMA460 or PHYS431.

Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Luz Martinez-Miranda	Seats (Total: 20)
	MW 3:30pm - 4:45pm	CHM 1224

ENMA461 **Thermodynamics of Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Restriction: Junior standing or higher.

Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

0101	Jun Ouyang	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	EGR 0110

ENMA465 **Microprocessing Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA363, ENMA489B, or ENMA465. Formerly: ENMA363.

Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

0101	Gary Rubloff	Seats (Total: 55)
	MW 3:30pm - 4:45pm	CSS 2324

ENMA470 **Materials Selection for Engineering Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA 470 or ENMA 489O. Formerly: ENMA 489O.

Students will learn about materials classes, properties, limitations and applications and the methodology of materials selection in engineering design.

0101	Timothy Foecke	Seats (Total: 60)
	MW 2:00pm - 3:15pm	CHE 2110

ENMA481 **Introduction to Electronic and Optical Materials**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300; or students who have taken courses with comparable content may contact the department.

Electronic, optical and magnetic properties of materials. Emphasis on materials for advanced optoelectronic and magnetic devices and the relationship between properties and the processing/fabrication conditions.

0101	Instructor: TBA	Seats (Total: 40)
	MW 3:30pm - 4:45pm	SPH 0302

ENMA489 **Selected Topics in Engineering Materials**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in materials science and engineering.

Contact department for information to register for this course.

ENMA489A **Selected Topics in Engineering Materials; Introduction to Computational Materials Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in materials science and engineering.

0101	Yifei Mo	Seats (Total: 15)
	TuTh 9:30am - 10:45am	CHE 2145

ENMA489C **Selected Topics in Engineering Materials; Advanced Fuel Cells and Batteries**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in materials science and engineering.

0101	Chunsheng Wang	Seats (Total: 5)
	MW 11:45am - 1:00pm	JMP 2121

ENMA489X **Selected Topics in Engineering Materials; Physics, Material Chemistry and Device Applications at the Nanoscale**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in materials science and engineering.

Also offered as PHYS499M. Credit granted for PHYS499M or ENMA489X.

0101	Min Ouyang	Seats (Total: 10)
	Tu 2:00pm - 4:50pm	PHY 1219

ENMA490 **Materials Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing.

Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

0101	Raymond Phaneuf	Seats (Total: 41)
	MW 12:00pm - 2:50pm	EGR 0312

ENMA499 **Senior Laboratory Project**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students work with a faculty member on an individual laboratory project in one or more of the areas of engineering materials. Students will design and carry out experiments, interpret data and prepare a comprehensive laboratory report.

0101	Robert Briber	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA612 **Advanced Fundamentals of Photovoltaics**

Credits: 3 Grading Method: Regular

Prerequisite: Permission of ENGR-Materials Science & Engineering department. And ENMA300; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENMA 412 or ENMA 612.

Overview of theadvanced fundamentals of photovoltaic devices, including principles of operation, with emphasis on the materials science aspects of the different technologies available.

0101	Marina Leite MW 3:30pm - 4:45pm	Seats (Total: 5) EGR 0108

ENMA615 Advanced Archeology meets Technology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Materials Science & Engineering department. Recommended: Some knowledge of archaeology and archaeological methods, geology or chemistry is useful, but not required.

Focus on the application of scientific methods of analysis to archaeological materials including bone, stone, pottery, and metal. Methods include absolute dating, remote sensing, optical and SEM microscopy, elemental and isotopic analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods. The course makes use of a challenging textbook, all accessible to undergraduate students. The textbook adopted for the course provides a number of exercises in order to develop thinking and critical abilities.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 5) ANS 0402

ENMA620 Polymer Physics

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENMA471; or permission of instructor.

The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials.

0101	Mohamad Al-Sheikhly MW 5:00pm - 6:15pm	Seats (Total: 25) CHE 2136

ENMA642 Current Trends in Nanomaterials

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: ENMA642 or ENMA698N. Formerly: ENMA698N.

Presents a historical and contemporary perspective of the trends of development of nanomaterials. Having characteristic dimensions in the range of 1-100 nanometers, these materials are difficult to synthesize a nd characterize but are nevertheless at the forefront of science and tec hnology in many fields. Through detailed analysis of the current literat ure, all students will develop a sense for not only where the science an d technology has come but also where it is going.

0101	John Cumings	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	CHE 2118

ENMA661 **Kinetics of Reactions in Materials**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENMA660.

The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

0101	Sreeramamurthy Ankem	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CSI 3120

ENMA671 **Defects in Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department.

Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

0101	Lourdes Salamanca-Riba	Seats (Total: 25)
	MW 3:30pm - 4:45pm	JMP 1109

ENMA683 **Structural Determination Laboratory**

Credits: 1

Grading Method: Regular, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L.

The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Wen-An Chiou	Seats (Total: 5)
	W 9:00am - 11:00am	KEB 1237

ENMA685 **Advanced Electrical and Optical Materials**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENMA685 or ENMA698F. Formerly: ENMA698F.

Students become familiar with basic and state of the art knowledge of some technologically relevent topics in materials engineering and applied physics, including dielectric/ferroelectric materials, magnetic materials, superconductors, multiferroic materials and optical materials with an underlying emphasis on the thin film and device fabrication technology. Fundamental physical properties and descriptions of different materials and their applications are included. Discussion will include new developments in the fields.

0101	Instructor: TBA	Seats (Total: 10)
	MW 3:30pm - 4:45pm	SPH 0302

ENMA688 **Seminar in Materials Science and Engineering**

Credits: 1 Grading Method: Regular, Audit

Current research in materials science and engineering and related fields.

0101	Yifei Mo, Manfred Wuttig	Seats (Total: 28)
	F 1:00pm - 2:30pm	CHE 2110

ENMA698 **Special Problems in Materials Science and Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual, supervised study in materials science and engineering.

Contact department for information to register for this course.

ENMA698A **Special Problems in Materials Science and Engineering; Advanced Computational Materials Science**

Credits: 3 Grading Method: Regular, Audit

Individual, supervised study in materials science and engineering.

0101	Yifei Mo	Seats (Total: 14)
	TuTh 9:30am - 10:45am	CHE 2145

ENMA797 **Independent Study**

Credits: 3 Grading Method: Regular, Audit

This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Raymond Phaneuf	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENME Engineering, Mechanical Spring 2015

ENME201 **Careers in Mechanical Engineering**

Credits: 1 Grading Method: Sat-Fail

The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	Kenneth Kiger Th 12:30pm - 1:30pm	Seats (Total: 60) JMP 3201

ENME242 **Building Products that Last - Failure is NOT an Option!**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS, SCIS

Have you ever wondered why airplanes crash or bridges collapse? Or even why your car is always in the shop or your computer screen goes blank? This course will let you in on the secret of why engineered products and structures fail and how designers are changing how they work to make products with higher reliability and longer life-spans. Even more, it will make you think about the many consequences that arise from failure ranging from direct replacement cost and legal liability to environmental impact and even changes in government policies and regulation

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 60) SPH 1303

ENME272 **Introduction to Computer Aided Design**

(Perm req)

Credits: 2 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100 and MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 414 or ENME272.

Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

0101	Guangming Zhang M 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0201	Guangming Zhang W 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0301	Guangming Zhang F 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0401	Instructor: TBA Th 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0501	Instructor: TBA Tu 8:00am - 9:50am	Seats (Total: 42) KEB 2111

ENME331 **Fluid Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.

Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	James Duncan MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab
0102	Instructor: TBA MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab
0103	James Duncan MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab
0104	Instructor: TBA MW 12:00pm - 12:50pm W 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 JMP 2202	Lab
0105	James Duncan MW 12:00pm - 12:50pm Th 3:00pm - 4:40pm	Seats (Total: 30) EGR 1202 JMP 1109	Lab

ENME332 **Transfer Processes**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331.

The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Marino diMarzo MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1202	Lab

0102	Marino diMarzo MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 EGR 0108	 Lab
0103	Marino diMarzo MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1202	 Lab
0104	Marino diMarzo MW 9:00am - 9:50am M 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 1202	 Lab
0105	Marino diMarzo MW 9:00am - 9:50am F 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGR 3106	 Lab
0106	Marino diMarzo MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 PHY 1204	 Lab

ENME350 **Electronics and Instrumentation I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PHYS271 and PHYS270.

Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Xinan Liu, Jungho Kim MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 EGR 3108	 Lab
0102	Xinan Liu, Jungho Kim MW 8:00am - 8:50am Tu 3:30pm - 5:20pm	Seats (Total: 40) EGR 1202 EGR 3108	 Lab
0103	Xinan Liu, Jungho Kim MW 8:00am - 8:50am W 3:30pm - 5:20pm	Seats (Total: 40) EGR 1202 EGR 3108	 Lab

ENME351 **Electronics and Instrumentation II**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, ENME350, and PHYS270.

Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Elisabeth Smela, Krishnanand Kaipa Narasimha MW 10:00am - 10:50am M 3:30pm - 5:20pm	Seats (Total: 50) EGR 1202 EGR 3108	Lab
0102	Elisabeth Smela, Krishnanand Kaipa Narasimha MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	Lab
0103	Krishnanand Kaipa Narasimha, Elisabeth Smela MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	Lab
0104	Krishnanand Kaipa Narasimha, Elisabeth Smela MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 EGR 3108	Lab
0301	Krishnanand Kaipa Narasimha, Elisabeth Smela MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 50) CSS 2324 EGR 3108	Lab
0302	Elisabeth Smela, Krishnanand Kaipa Narasimha MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 50) CSS 2324 EGR 3108	Lab

ENME361 **Vibration, Controls and Optimization I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Miao Yu TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201	
0301	Christopher Chabalko TuTh 9:30am - 10:45am	Seats (Total: 50) JMP 2121	

ENME371 **Product Engineering and Manufacturing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program.

Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0201	Vincent Nguyen MW 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 32) EGR 1202 EGL 0101	 Lab
0202	Instructor: TBA MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0203	Vincent Nguyen MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 30) EGR 1202 EGL 0101	 Lab
0204	Vincent Nguyen MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 32) EGR 1202 EGL 0101	 Lab
0205	Vincent Nguyen MW 11:00am - 11:50am Th 7:00pm - 8:50pm	Seats (Total: 32) EGR 1202 EGL 0101	 Lab

0206	Vincent Nguyen MW 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Liangbing Hu MWF 9:00am - 9:50am	Seats (Total: 100) JMP 3201
0201	Isabel Lloyd TuTh 9:30am - 10:45am	Seats (Total: 100) CHE 2108

ENME392 **Statistical Methods for Product and Processes Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241.

Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

0101	Johan Larsson TuTh 11:00am - 12:15pm	Seats (Total: 120) JMP 3201
0201	David Bigio TuTh 11:00am - 12:15pm	Seats (Total: 30) JMP 2216

ENME400 **Machine Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME361 and ENME382. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Instructor: TBA	Seats (Total: 50)	
	TuTh 3:30pm - 4:20pm	PLS 1130	
	Th 4:30pm - 6:30pm	KEB 1200	Discussion

ENME408 **Selected Topics in Engineering Design; Automotive Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Creativity and innovation in design. Generalized performance analysis, reliability and optimization as applied to the design of components and engineering systems. Use of computers in design of multivariable systems.

0101	Leonard Hamilton	Seats (Total: 35)
	MW 5:00pm - 6:15pm	JMP 2202

ENME410 **Design Optimization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME271; or MATH206. Restriction: Permission of ENGR-Mechanical Engineering department; and junior or senior standing.

Introduction to the formal process of design optimization, including analytical and computational methods. Step by step design optimization techniques. Design optimization concepts, necessary and sufficient optimality conditions and solution techniques. Solution evaluation and tradeoff exploration.

0101	Shapour Azarm	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 1104

ENME421 **Engineering Design Ideation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENME371. Restriction: Junior standing or higher.

Engineering Design Methods is a technical elective for engineering students who wish to improve their ability to produce design ideas (i.e., the ideation process) for further development into conceptual ideas. Ideation is the creative, idea generation activity that happens at the beginning of the conceptual design process. Ideation methods are often built around creativity improving strategies and are often designed for individual use prior to presenting the results in a team setting.

0101	Linda Schmidt MW 3:30pm - 4:45pm	Seats (Total: 30) JMP 2222

ENME424 **Urban Microclimate and Energy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENME332. Recommended: ENME423. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME424 or 808i. Additional information: Will be offered "shared" with graduate course, ENME808i, same title.

Urban microclimate from the perspective of transient heat and mass transfer using building energy simulations for building clusters as well as LEED building certification criteria. The focus is on understanding building energy consumption and environmental impacts from the individual building scale to a neighborhood scale

0101	Jelena Srebric Th 5:00pm - 7:40pm	Seats (Total: 15) EGR 3114

ENME431 **Nuclear Reactor Systems and Safety**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENNU465. Credit only granted for: ENNU465 and ENME431.

Engineering, material and thermal aspects of light water reactors, fast reactors, high temperature gas reactors, heavy water moderated reactors, breeder reactors, advanced reactors including GEN IV designs. Evolution of light water reactor safety and regulation in the US that has culminated in the current body of regulations.

0101	Robert Sanders MW 2:00pm - 3:15pm	Seats (Total: 30) JMP 2121
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 5) ONLINE

ENME432 **Reactor and Radiation Measurements Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENNU440. Credit only granted for: ENNU440 or ENME432.

Basics concepts of nuclear radiation and radiation detectors including types of radiation, radioactive decay, and interactions of radiation with matter.

0101	Michael Coplan, Timothy Koeth	Seats (Total: 7)	
	Th 9:30am - 10:20am	SPH 0305	
	Th 2:00pm - 6:00pm	CHE 1306	Lab

ENME436 **Renewable Energy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331. Restriction: Must be in a major within the ENGR-Mechanical Engineering department. Credit only granted for: ENME489K or ENME436. Formerly: ENME489K.

Fundamentals, design/analysis tools, and state of the art renewable energy technologies. Energy resources and global perspectives of current and future energy demand/consumption trends, followed by prime renewable energy technologies, including wind, solar, hydro, geothermal, and ocean thermal energy conversion. Economics of renewable energy, energy conservation opportunities, CO2 capture and storage, and thermal energy storage.

0101	Michael Ohadi	Seats (Total: 60)
	TuTh 9:30am - 10:45am	KEB 1200

ENME461 **Control Systems Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351 and ENME361. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENEE461 or ENME461.

Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done.

Also offered as ENEE461.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab

ENME462 **Vibrations, Controls, and Optimization II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351 and ENME361.

Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 30) HJP 0226 KEB 2107	 Discussion
0102	Instructor: TBA MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 42) HJP 0226 KEB 2111	 Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 42) HJP 0226 KEB 2111	 Discussion
0104	Instructor: TBA MW 10:00am - 10:50am W 8:00am - 9:50am	Seats (Total: 28) HJP 0226 EGR 0312	 Discussion

ENME464 **Cost Analysis for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME392; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Mechanical Engineering department.

An introduction to the financial and cost analysis aspects of product engineering. Introduces key elements of traditional engineering economics including interest, present worth, depreciation, taxes, inflation, financial statement analysis, and return on investment. Provides an introduction to cost modeling as it applies to product manufacturing and support. Cost modeling topics will include: manufacturing cost analysis, life-cycle cost modeling (reliability and warranty), and cost of ownership.

0101	Peter Sandborn	Seats (Total: 50)
	TuTh 9:30am - 10:45am	SPH 0302

ENME466 **Lean Six Sigma**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENME392, BMGT230, or STAT400; or students who have taken courses with comparable content may contact the department.

This course intends to provide in-depth understanding of Lean Six Sigma and its Define - Mearsure - Analyze - Improve - Control (DMAIC) Breakthrough Improvement Strategy. The emphasis is placed on the DMAIC process which is reinforced via application of semester long corporate projects and case study analysis.

0101	David Bigio	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 0110

ENME467 **Engineering for Social Change**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ENGR-Mechanical Engineering department; and junior standing or higher.

Critical analysis of issues at the intersection of engineering, philanthropy and social change. How engineering design, products and processes have impacted social change in the past and will do so in the future. Topics covered include energy, sustainability and climate change, autonomy, the digital future, low cost engineering, manufacturing, ethics and the impact of electronics on society. Faculty and external experts will engage with students on these topics. Students will award a significant amount of grant money to an organization involved in technology for social change

0101	Davinder Anand	Seats (Total: 30)
	MW 2:00pm - 3:15pm	ITV 1100

ENME470 **Finite Element Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.

Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	
0201	Peter Chung MW 5:00pm - 6:15pm	Seats (Total: 30) KEB 2107	

ENME472 **Integrated Product and Process Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: ENME371.

Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Gary Pertmer, Jaydev Desai, Monther Hasouneh TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion
0102	Jaydev Desai, Monther Hasouneh, Gary Pertmer TuTh 11:00am - 11:50am W 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion
0103	Jaydev Desai, Gary Pertmer, Monther Hasouneh TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion

0104	Gary Pertmer, Jaydev Desai, Monther Hasouneh TuTh 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion
0106	Jaydev Desai, Monther Hasouneh, Gary Pertmer TuTh 11:00am - 11:50am W 6:00pm - 7:50pm	Seats (Total: 30) EGR 1202 EGL 0101	Discussion

ENME488 **Special Problems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Contact department for information to register for this course.

ENME489B **Special Topics in Mechanical Engineering; Mechatronics and the Internet of Things**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENME351.

0101	Don DeVoe TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 3108

ENME489C **Special Topics in Mechanical Engineering; Medical Robotics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

0101	Jaydev Desai MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 0110

ENME489D **Special Topics in Mechanical Engineering; Flight Dynamics and Simulation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENME489F.

0201	David Findlay Tu 3:30pm - 6:10pm	Seats (Total: 6) JMP 2121

ENME489E **Special Topics in Mechanical Engineering; Design for Sustainability**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

0101	Senthil Arul MW 5:00pm - 6:15pm	Seats (Total: 45) EGR 0110

ENME489I **Special Topics in Mechanical Engineering; Computational Fluid Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENES221, ENME271, ENME331, and permission of department.

0101	Peter Bernard TuTh 5:00pm - 6:15pm	Seats (Total: 25) EGR 0135

ENME489M **Special Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

0101	Hoseong Lee, Yunho Hwang TuTh 2:00pm - 3:15pm	Seats (Total: 10) MTH 0411

ENME489P **Special Topics in Mechanical Engineering; Internal Combustion Engines**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENES232, ENME331, and permission of department. Co-requisite: ENME332.

0101	Instructor: TBA Tu 5:00pm - 7:40pm	Seats (Total: 50) EGR 1108

ENME489Q **Special Topics in Mechanical Engineering; Managing for Innovation and Quality**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Department permission required.

0101	George Dieter TuTh 2:00pm - 3:15pm	Seats (Total: 30) EGR 0135

ENME489W **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

0101	Ashwani Gupta Th 4:00pm - 6:40pm	Seats (Total: 40) ITV 1100

ENME489Z **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: permission of department.

0101	Hugh Bruck MW 2:00pm - 3:15pm	Seats (Total: 45) EGR 0110

ENME600 **Engineering Design Methods**

Credits: 3 Grading Method: Regular, Audit

An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 20) JMP 2216
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 5) ONLINE
HT01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA
RE01	Linda Schmidt Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA
SM01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA

ENME607 **Engineering Decision Making and Risk Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: ENRE671. Credit only granted for: ENME808X, ENRE671 or ENME607. Formerly: ENME 808X.

Individual decision-making, group decisionmaking, and organizations of decision-makers in the context of engineering design, project management, and other functions. Techniques for making better decisions, for understanding how decisions are related to each other, and for managing risk.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMP 2222
ER01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)
HT01	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 5)
SG01	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 5)

ENME632 **Advanced Convection Heat Transfer**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENNU615 or ENME632.

Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

0101	Peter Bernard TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 2116

ENME635 **Energy Systems Analysis**

Credits: 3 Grading Method: Regular, Audit

Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

0101	K Radermacher	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 3102

ENME646 **Computational Fluid Dynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed graduate-level fluid mechanics; or permission of instructor.

Fundamentals of numerical analysis of engineers. Inversion of large, sparse matrices. Numerical solution of the incompressible Navier-Stokes equations in Cartesian and curvilinear grids. Application to turbulent flows and micro-fluidics.

0101	Amir Riaz	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 1108

ENME664 **Dynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENES221; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Kinematics in plane and space; Dynamics of particle, system of particles, and rigid bodies. Holonomic and non-holonomic constraints. Newton's equations, D'Alembert's principle, Hamilton's principle, and equations of Lagrange. Impact and collisions. Stability of equilibria.

0101	B Balachandran	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 3114

ENME672 **Composite Materials**

Credits: 3 Grading Method: Regular, Audit

Micromechanics of advanced composites with passive and active reinforcements, mathematical models and engineering implications, effective properties and damage mechanics, recent advances in "adaptive" or "smart" composites.

0101	Norman Wereley, Andrew Becnel	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMP 2121

HT01	Andrew Becnel, Norman Wereley MWF 10:00am - 10:50am	Seats (Total: 2) Location: TBA
PE01	Norman Wereley, Andrew Becnel MWF 10:00am - 10:50am	Seats (Total: 10) Location: TBA
SG01	Andrew Becnel, Norman Wereley MWF 10:00am - 10:50am	Seats (Total: 2) Location: TBA
SM01	Norman Wereley, Andrew Becnel MWF 10:00am - 10:50am	Seats (Total: 2) Location: TBA

ENME674 **Finite Element Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods.

Also offered as ENAE488C and ENAE652.

0101	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 20) JMP 2222
HT01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 2) Location: TBA
SG01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

ENME684 **Modeling Material Behavior**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME670; or permission of instructor.

Constitutive equations for the response of solids to loads, heat, etc. based on the balance laws, frame invariance, and the application of thermodynamics to solids. Non-linear elasticity with heat conduction and dissipation. Linear and non-linear non-isothermal viscoelasticity with the elastic-viscoelastic correspondence principle. Classical plasticity and current viscoplasticity using internal state variables. Maxwell equal areas rule, phase change, and metastability and stability of equilibrium states. Boundary value problems. Introduction to current research areas.

0101	Abhijit Dasgupta MW 11:00am - 12:15pm	Seats (Total: 25) JMP 2202

ENME695 **Design for Reliability**

Credits: 3 Grading Method: Regular, Audit

Reliability is the ability of a product or system to perform as intended (i.e., without failure and within specified performance limits) for a specified time, in its life-cycle conditions. Knowledge of reliability concepts and principles, as well as risk assessment, mitigation and management strategies prepares engineers to contribute effectively to product development and life cycle management. This course teaches the fundamental knowledge and skills in reliability as it pertains to the design, manufacture, and use of electrical, mechanical, and electro-mechanical products. Topics cover the suitability of the supply chain members to contribute towards development, manufacturing, distribution and support of reliable products; efficient and cost-effective design and manufacture of reliable products; process capability and process control; derating, uprating, FMMEA, reliability prediction and reliability allocation; how to plan and implement product testing to assess reliability; how to analyze degradation, failure, and return data to estimate fundamental reliability parameters; root cause analysis; and reliability issues associated with warranties, regulatory requirements, and liabilities.

0101	Instructor: TBA M 9:00am - 11:40am	Seats (Total: 20) JMP 2216
ER01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
HT01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

SM01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

ENME696 **Planning for Autonomous Robots**

Credits: 3 Grading Method: Regular, Audit

Planning is a fundamental capability needed to realize autonomous robots. Planning in the context of autonomous robots is carried out at multiple different levels. At the top level, task planning is performed to identify and sequence the tasks needed to meet the mission requirements. At the next level, planning is performed to determine a sequence of motion goals that satisfy individual task goals and constraints. Finally, at the lowest level, trajectory planning is performed to determine actuator actions to realize the motion goals.

0101	Satyandra Gupta Th 4:00pm - 6:40pm	Seats (Total: 25) JMP 2121
HT01	Satyandra Gupta Th 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	Satyandra Gupta Th 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Satyandra Gupta Th 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENME700 **Advanced Mechanical Engineering Analysis I**

Credits: 3 Grading Method: Regular, Audit

An advanced, unified approach to the solution of mechanical engineering problems, emphasis is on the formulation and solution of equilibrium, eigenvalue and propagation problems. Review and extension of undergraduate material in applied mathematics with emphasis on problems in heat transfer, vibrations, fluid flow and stress analysis which may be formulated and solved by classical procedures.

0101	Edward Magrab TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 1313

ENME707 **Combustion and Reacting Flow**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME331 and ENME332; or students who have taken courses with comparable content may contact the department.

This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbonf uels in both a phenomenological and mechanistic approach. The course co vers the specifics of premixed and nonpremixed flame systems, as wellasignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissi ons minimization will be covered in detail. Finally, the course will co ver available combustion diagnostic methods and their application in laboratory and real-world systems.

0101	Michael Zachariah TuTh 9:30am - 10:45am	Seats (Total: 20) JMP 2216
PE01	Michael Zachariah Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENME808G **Advanced Topics in Mechanical Engineering; Flexible Macroelectronics**

Credits: 3 Grading Method: Regular, Audit

0101	Teng Li MW 12:30pm - 1:45pm	Seats (Total: 25) EGR 3106

ENME808I **Advanced Topics in Mechanical Engineering; Urban Microclimate and Energy**

Credits: 3 Grading Method: Regular, Audit

0101	Jelena Srebric Th 5:00pm - 7:40pm	Seats (Total: 10) EGR 3114

ENME808L **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design II**

Credits: 3 Grading Method: Regular, Audit

0101	Yunho Hwang, Hoseong Lee TuTh 2:00pm - 3:15pm	Seats (Total: 7) MTH 0411

ENME808M **Advanced Topics in Mechanical Engineering; Medical Robotics**

Credits: 3 Grading Method: Regular, Audit

0101	Jaydev Desai MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 0110

ENME898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENNU Engineering, Nuclear Spring 2015

ENNU648K **Special Problems in Nuclear Engineering; Reactor Physics and Engineering**

Credits: 3 Grading Method: Regular, Audit

NE01	Mahmoud Massoud Class time/details on ELMs	Seats (Total: 10) ONLINE

ENNU648M **Special Problems in Nuclear Engineering; Degradation of Materials**

Credits: 3 Grading Method: Regular, Audit

NE01	Jason Gruber Class time/details on ELMs	Seats (Total: 10) ONLINE

ENNU799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Spring 2015

ENPM601 **Analog and Digital Communication Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM600; or students who have taken courses with comparable content may contact the department.

Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase-locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

0101	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM602 **Data Networks**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.

Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM604 **Wireless Communication Networks**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE426 and ENEE420.

Issues in the design and analysis of wireless communication systems. Aspects of radio propagation, signal strength, multipath propagation, fading, diversity reception, cell shapes. Modulation and coding for the mobile radio channel including FDMA, TDMA, and CDMA. Multiaccess issues including frequency allocation, channel reuse, and power control. System level issues including traffic engineering, blocking, network design and optimization, channel allocation control, handoffs, mobility management, registration and tracking, signaling and user location database management. Examples of existing analog and emerging digital cellular standards.

0101	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM609 **Microprocessor-Based Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed undergraduate courses in logic design, computer architecture, and programming.

Introduction to microprocessor components, software, and tools. Architectures, instruction sets, and assembly language programming for a commercial microprocessor family. Real-time programming techniques. Peripheral chips such as, parallel ports, counter-timers, DMA controllers, interrupt controllers, and serial communication units. Design projects emphasizing intergrated hardware and software solutions to engineering problems.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 20) JMP 2217
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM612 **System and Software Requirements**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM611. Credit only granted for: ENPM612 or ENPM808K. Formerly: ENPM808K.

Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

0101	Mikael Lindvall Tu 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120

HT01	Mikael Lindvall Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mikael Lindvall Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mikael Lindvall Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM614 **Software Testing & Maintenence**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

0101	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
HT01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM632 **Advanced TCP/IP Networking**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed ENPM 631 or ENPM 808F, or permission of the instructor. Credit only granted for: ENPM 808E or ENPM 632. Formerly: ENPM808E.

Introduction to the Socket Interface and network programming, advanced topics in IPv6, internet security, advanced topics in TCP performance, and congestion management, creating a simple web server, mobile IP, IP switching and MPLS, voice over IP and QoS, advanced use of Wireshark (statistics and graphs)

0101	Pedram Fard M 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
HT01	Pedram Fard M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	Pedram Fard M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Pedram Fard M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM635 **Thermal Systems Design Analysis**

Credits: 3 Grading Method: Regular, Audit

Evaluates the trade-offs associted with thermal systems. Use of softwar for system simulation, evaluation and optimization. Applications include power and refrigeration systems, electronics cooling, distillation columns, dehumidifying coils, and co-generation systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 15) JMP 2217
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Karim Amrane Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM642 **Systems Requirements, Design and Trade-Off Analysis**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENPM641 or ENSE621; or permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE622. Credit only granted for: ENPM642, ENSE602, or ENSE622.

This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system.

Also offered as ENSE622.

0101	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 35) JMP 2121
HT01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM644 **Human Factors in Systems Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE624. Credit only granted for: ENPM644 or ENSE624.

This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use.

Also offered as ENSE624.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 40) JMP 3201
HT01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE626. Credit only granted for: ENPM646 or ENSE626.

This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 20) JMP 2121
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM647 **Systems Quality and Robustness Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE627. Credit only granted for: ENPM647 or ENSE627.

This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied.

Also offered as ENSE627.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 2216
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM650 **Solar Thermal Energy Systems**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM808A or ENPM650. Formerly: ENPM808A. Additional information: This course will be offered online only.

Covers the full range of technologies that utilize solar radiation for heating, cooling, lighting and electrical power generation, excluding photovoltaic applications. Topics include: Solar radiation calculations and predictions; Solar spectral characteristics, and diffuse and direct solar radiation; Passive solar applications; Heating; Daylighting; Thermal storage; Fenestration systems; Architectural design; Active solar applications for heating; Solar collectors; Water-based systems; ir-based systems; Domestic hot water heating; Space heating; Process heating; Cooling systems; Flat plate versus concentrating collectors; Fixed versus tracking collector systems; Solar thermal electrical power generation; Dish/Stirling engine systems; Linear concentrator systems; Power tower systems; Thermal storage; Combined cycle applications; Systems design and integration; Control systems and system operation; and Performance calculations and predictions.

0101	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Brian Valentine Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM656 **Energy Conversion II -- Mobile Power**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM656 or ENPM808G. Formerly: ENPM808G.

Presents the scientific and engineering basis for design, manufacture, and operation of thermal conversion technologies utilized for mobility power generation. The interface between fuel combustion chemistry and generated power are addressed. The practical aspects of design and operation of various alternatives for power are compared. The impact of choices with regard to power and fuel alternatives as well as air pollution potential are also considered.

0101	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Instructor: TBA Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM670 **Advanced Energy Audit and Conservation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Students are expected to have prior knowledge of undergraduate basic thermodynamics, heat transfer, and thermal transport/heat transfer processes. Knowledge of electrical systems and controls is desirable. Credit only granted for: ENPM670 or ENPM808W. Formerly: ENPM808W.

Students will be provided with current and future trends in energy resources and technologies while providing them with the necessary skills to conduct energy audit/analysis on both commercial and residential facilities. Energy accounting procedures for electrical, mechanical and HVAC systems will be covered in detail, along with economics/life-cycle costing analysis. Fundamental building science principles will be introduced in the context of energy auditing. Students will gain hands on experience conducting an energy audit project through assigned projects. Annual building simulation tools, such as EnergyPlus and eQuest, will be introduced. This is an applied course. Successful completion of this course will equip students with the terminology, knowledge and practical experience necessary to perform energy audits in both residential and commercial buildings.

ME01	Michael Ohadi Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM671 **Advanced Mechanics of Materials**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM808M or ENPM671. Formerly: ENPM808M.

Formulate and quantitatively state the mechanical/physical responses of structural components and configurations subjected to loads, temperature, pre-strains etc. The two methods of anlysis employed are the mechanics of materials approach and the theory of elasticity approach. Analysis and design of components of structural/machine systems as experienced in aeronautical, civil, mechanical and nuclear engineering.

0101	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM672 **Fundamentals for Thermal Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Undergraduate engineering, physics or chemistry degree. Restriction: Permission of ENGR-Office of Advanced Engineering Education. Credit only granted for: ENPM672 or ENPM808J. Formerly: ENPM808J.

Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

ME01	Kristen Hines Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM682 **Shockwave Physics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM681. Credit only granted for: ENPM682 or ENPM808D. Formerly: ENPM808D.

Elastic-plastic solids, phase transitions, porous solids, materials wit time-dependent properties, detonation waves in Ideal explosives, detonation waves in cylinders of non-ideal explosives, shock initiation of high explosives, experimental techniques for measuring detonation wave properties, Lagrangian coordinate system, ramp wave and raditiaton loading of material.

PE01	William Wilson, Jerry Forbes Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM691 **Programming in C for Cybersecurity Applications**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE150; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENPM808M or ENPM 691. Formerly: ENPM808M.

Teaches the fundamentals of secure programming in C. An in depth discussion on various security vulnerabilities (e.g., buffer overflows) in C applications will be taught with hands-on demo of concepts during the class. Students will learn how a C program runs "under-the-hood". The course will teach nitty-gritty of C programs by analyzing at the assembly level. The course discusses best practices (e.g., coding standards) and design principles for secure programming so that security can be built-in during design time. In addition to assignments, students are required to present papers related to this course.

0101	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
CY01	Dharmalingam Ganesan Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808E **Advanced Topics in Engineering; Information Assurance**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CY01	Michel Cukier, Edward Condon Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM808F **Advanced Topics in Engineering; REVERSE SOFTWARE ENGINEERING**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

0101	Charles Song W 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
CY01	Charles Song Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Charles Song W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Charles Song W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Charles Song W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808R **Advanced Topics in Engineering; Design and Synthesis of Digital Systems**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

0101	George Zaki M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808T **Advanced Topics in Engineering; Perception for Autonomous Robots**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

Contact department for information to register for this course.

ENPP Engineering and Public Policy Spring 2015

ENPP611 **MEPP Scholarly Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must have Practicum Proposal approved by MEPP.

The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Steven Gabriel Contact instructor or department for details.	Seats (Total: 10)

ENRE Reliability Engineering Spring 2015

ENRE447 **Fundamentals of Reliability Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445.

Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

0101	Mohammad Modarres M 3:30pm - 6:00pm	Seats (Total: 30) JMP 2121
ER01	Mohammad Modarres M 3:30pm - 6:00pm	Seats (Total: 7) ONLINE
HT01	Mohammad Modarres M 3:30pm - 6:00pm	Seats (Total: 2) Location: TBA

RE01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Mohammad Modarres M 3:30pm - 6:00pm	Seats (Total: 2) Location: TBA
SM01	Mohammad Modarres M 3:30pm - 6:00pm	Seats (Total: 2) Location: TBA

ENRE489 **Special Topics in Reliability Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in reliability engineering.

Contact department for information to register for this course.

ENRE489G **Special Topics in Reliability Engineering; Fundamental Reliability Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in reliability engineering.

Contact department for information to register for this course.

ENRE620 **Mathematical Techniques of Reliability Engineering**

Credits: 3 Grading Method: Regular, Audit

Also offered as: ENNU620.

Basic probability and statistics (required for ENRE 600 and ENRE 602). Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems.

Contact department for information to register for this course.

ENRE640 **Collection and Analysis of Reliability Data**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE602.

Basic life model concepts. Probabilistic life models, for components with both time independent and time dependent loads. Data analysis, parametric and nonparametric estimation of basic time-to-failure distributions. Data analysis for systems. Accelerated life models. Repairable systems modeling.

0101	Vasiliy Krivtsov, Reza Kazemi-Tabriz F 9:00am - 11:40am	Seats (Total: 8) JMP 2222
ER01	Vasiliy Krivtsov, Reza Kazemi-Tabriz F 9:00am - 11:40am	Seats (Total: 16) ONLINE
RE01	Vasiliy Krivtsov, Reza Kazemi-Tabriz F 9:00am - 11:40am	Seats (Total: 2) ONLINE
SG01	Vasiliy Krivtsov, Reza Kazemi-Tabriz F 9:00am - 11:40am	Seats (Total: 1) Location: TBA

ENRE645 **Human Reliability Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE600 and ENRE602; or permission of ENGR-Mechanical Engineering department. Credit only granted for: ENRE645 or ENRE734. Formerly: ENRE734.

Methods of solving practical human reliability problems, the THERP, SLIM, OAT and SHARP methods, performance shaping factors, human machine systems analysis, distribution of human performance and uncertainty bounds, skill levels, source of human error probability data, examples and case studies.

0101	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) JMP 2217
ER01	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) Location: TBA
RE01	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) Location: TBA

ENRE648 **Special Problems in Reliability Engineering**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

For students who have definite plans for individual study of approved problems. Credit given according to extent of work.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.

Bayesian methods and applications, estimation of rare event frequencies uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

0101	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 25) JMP 2216
ER01	Enrique Droguett Class time/details on ELMs	Seats (Total: 15) ONLINE
HT01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
RE01	Enrique Droguett Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
SM01	Enrique Droguett Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA

ENRE671 **Risk Assessment in Engineering**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE670. Credit only granted for: ENRE648W or ENRE671. Formerly: ENRE648W.

Introduction to risk management and decision-making, including uncertainty propagation, importance ranking, risk acceptance criteria, decision analysis and other decsion-making techniques, risk communication.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMP 2222

ER01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 10)
HT01	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 5)
SG01	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 5)

ENRE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENSE Systems Engineering Spring 2015

ENSE622 **Systems Requirements, Design and Trade-Off Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM641 and ENSE621; or permission of ENGR-Institute for Systems Research. Also offered as: ENPM642. Credit only granted for: ENPM642 or ENSE622.

This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system.

Also offered as ENPM642.

0101	Mark Austin	Seats (Total: 35)
	M 7:00pm - 9:40pm	JMP 2121

ENSE624 **Human Factors in Systems Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM644. Credit only granted for: ENPM644 or ENSE624.

This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use.

Also offered as ENPM644.

0101	Robert Beaton	Seats (Total: 40)
	Th 7:00pm - 9:40pm	JMP 3201

ENSE626 **System Life Cycle Analysis and Risk Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM646.

This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 20) JMP 2121
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE627 **Systems Quality and Robustness Analysis**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM647. Credit only granted for: ENPM647 or ENSE627.

This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied.

Also offered as ENPM647.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 2216
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE698F **Special Topics in Systems Engineering; Current Issues in Federal Acquisition**

Credits: 3 Grading Method: Regular, Audit

Also offered as BUSI758P and PUAF689F.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203

ENSE698G **Special Topics in Systems Engineering; Human Reliability Analysis**

Credits: 3 Grading Method: Regular, Audit

0101	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) JMP 2217
ER01	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) Location: TBA

ENSE699 **Directed Study in Systems Engineering**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Directed study in Systems Engineering.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Spring 2015

ENSP101 **Introduction to Environmental Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

Contact department for information to register for this course.

ENSP102 **Introduction to Environmental Policy**

Credits: 3 | Grading Method: Regular | General Education: DSHS

Additional information: May be taken before or after ENSP101.

Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

0101	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 EGR 2154	Discussion
0102	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 KEY 0120	Discussion
0103	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 23) SHM 2102 EGR 0135	Discussion
0104	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 BPS 0283	Discussion
0105	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 KEY 0120	Discussion

0106	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 JMP 1109	Discussion
0107	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 CHM 0119	Discussion

ENSP305 **ENSP305 Applied Quantitative Methods in Environmental Science and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BIOM301, ECON321, GEOG306, PSYC200, or SOCY201; and (ENSP101 and ENSP102); and (MATH220, MATH130, or MATH140). Restriction: Must be in a major in AGNR-Dean-Environmental Science & Policy Program; or permission of AGNR-Dean-Environmental Science & Policy Program. Credit only granted for: ENSP305 or AREC382. Additional information: Applied topics covered in this course will supplement coursework in introductory statistics and mathematics; this course is not intended for students with significant previous advanced data analysis or statistical experience.

Intended for students interested in pursuing career or graduate research opportunities that will include management of environmental databases, detailed analysis of environmental data, and/or application of predictive environmental models. Students will learn necessary skills to manage and analyze environmental data through hands-on training in commonly used software and a series of topical case studies. Data analysis and data management will be taught using publicly available real-world environmental data sets.

0101	Gregory Schnaar TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1129	

ENSP330 **Introduction to Environmental Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP101; and ENSP102. Restriction: Junior standing or higher. Credit only granted for: ENSP330 or ENSP399A. Formerly: ENSP399A.

An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SPH 0302

ENSP342 **Environmental Threats to Oceans and Coasts: Towards an Integrated Policy Response**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENSP101 and ENSP102. Restriction: Must have earned a minimum of 60 credits; and permission of Environmental Science and Policy program. Credit only granted for: ENSP399A or ENSP342. Formerly: ENSP399A.

An interdisciplinary study of the challenges of maintaining the health and vitality of oceans and coasts in the face of climate change, extreme weather, and other threats including pollution, and oil and gas development. Exploration of four broad themes: resource management, conservation and stewardship, pollution, and coastal zone management. Also, an analysis of current efforts to integrate these themes through ecosystem-based management; marine spatial planning; and related policy responses.

0101	Gregory Schnaar	Seats (Total: 30)
	MW 9:30am - 10:45am	JMP 1202

ENSP386 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

Contact department for information to register for this course.

ENSP399R **Special Topics in Environmental Science and Policy; Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

0101	Instructor: TBA	Seats (Total: 15)
	F 10:00am - 1:00pm	SYM 0215

0301	Instructor: TBA	Seats (Total: 15)
	Contact instructor or department for details.	

ENSP400 **Capstone in Environmental Science and Policy**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or permission of the Director of ENSP. And must be in Environmental Science and Policy program.

Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	ARM 0116

ENSP499 **Honors Thesis Research**

Credits: 1-6 Grading Method: Regular

Individual research, thesis, and oral defense. The research project will be conducted under the supervision of a faculty member.

Contact department for information to register for this course.

ENST Environmental Science and Technology Spring 2015

ENST140 **Sustainability and History: The Maryland Experience**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Closely examine closely the roots of concern over sustainability through the environmental history of the state of Maryland. A historical approach will allow us to see both the enduring and the changing qualities of the search for sustainable patterns of living, and thus better equip us to understand how more effectively to frame the debates over our future.

Also offered as HIST189B. Credit granted for ENST140 or HIST189B.

0101	Instructor: TBA	Seats (Total: 20)	
	TuTh 9:30am - 10:20am	KEY 1117	
	F 9:00am - 9:50am	TLF 1103	Discussion

0102	Instructor: TBA TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) KEY 1117 TLF 1103	 Discussion
0103	Instructor: TBA TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 1117 TLF 1103	 Discussion

ENST233 **Introduction to Environmental Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS

How humans are affected by the quality of our air, water, soil, and foo supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 44) ANS 0408 ANS 0422	 Discussion
0102	Lance Yonkos TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 42) ANS 0408 ANS 0422	 Discussion

ENST309 **Advanced Field Soil Morphology**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This is a field-oriented course that provides advanced training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the National Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field. Students will be exposed to a variety of soil landscapes and geology from outside of the northeastern U.S.

0101	Brian Needelman Contact instructor or department for details.	Seats (Total: 15)

ENST334 **Environmental Toxicology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM132, and BSCI207; or permission of AGNR-Environmental Science & Technology department.

Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

0101	Daniel Fisher	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	ANS 0412	

ENST360 **Ecosystem Ecology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech).

The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

0101	Peter May	Seats (Total: 20)	
	M 12:00pm - 12:50pm	ANS 0422	
	Tu 2:00pm - 6:00pm	ANS 0538	Lab
	M 1:00pm - 1:50pm	ANS 0422	Discussion

ENST389 **Internship**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Credit will be granted for practical work carried out by students place in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.

0101	Patrick Kangas	Seats (Total: 50)
	Contact instructor or department for details.	

ENST404 **Natural Resource and Environmental Ethics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST214 and ENST360. Recommended: ENST314, ENST410, and ENST460. Restriction: Senior standing or higher.

Bridges science and management with ethical theory and concepts to help scientists, regulators, and managers understand how to deal with potential ethical dilemmas that arise in natural resource and environmental management implementation and policy development.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST405 **Energy and Environment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH140 or MATH220. Restriction: Junior standing or higher. And must be in Environmental Sci & Tech program; or must be in Environmental Sci & Tech: Ecological Tech Design program; or must be in Environmental Sci & Tech: Environmental Health program; or must be in Environmental Sci & Tech: Soil & Watershed Science program; or must be in Environmental Sci & Tech: Natural Resources Mgmt program. Also offered as: ENST605. Credit only granted for: ENST405, ENSP350, ENST605, NRMT489Z, or MEES698Z. Formerly: NRMT489Z.

Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing.

Also offered as MEES698Z.

0101	David Tilley	Seats (Total: 44)	
	MW 10:00am - 10:50am	ANS 0422	
	F 10:00am - 11:50am	ANS 0422	Lab

ENST406 **Applied Forestry Practices**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200. And ENST360; or PLSC471. Also offered as: PLSC475. Credit only granted for: ENST406 or PLSC475.

Focuses on the applied dynamics of a set of forest practices such as management, silviculture, measurement and inventory, preparation of a management plan, etc, within the urban/rural interface. Several field trips are included to gain hands-on experience.

0101	Robert Tjaden	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	ANS 1420	

ENST421 **Soil Chemistry**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200. Credit only granted for: ENST421 or NRSC421. Formerly: NRSC421.

The chemistry and composition of mineral and organic colloids in soils, including ion exchange, oxidation-reduction, acidity, surface charge, and solution chemistry. Lectures and readings pertain to plant nutrition, waste disposal, and groundwater quality.

0101	Bruce James	Seats (Total: 25)	
	MWF 1:00pm - 1:50pm	SYM 0209	
	Tu 8:00am - 11:00am	HJP 0134	Lab

ENST423 **Soil-Water Pollution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM104 and ENST200; and permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST423 or NRSC423.

Reaction and fate of pesticides, agricultural fertilizers, industrial and animal wastes in soil and water with emphasis on their relation to the environment.

0101	Robert Hill	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	ANS 0412	

ENST430 **Wetland Soils**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200. Credit only granted for: ENST430, ENST630, or NRSC461. Formerly: NRSC461.

The soils of wetlands including hydrology, chemistry, and genesis are discussed. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 14)	
	MW 2:00pm - 2:50pm	HBK 0123	
	M 3:00pm - 6:00pm	HJP 0210	Lab

ENST432 **Environmental Microbiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105, CHEM131, and CHEM132. Credit only granted for: ENST432 or ENST499M. Formerly: ENST499M.

Microorganisms are everywhere and mediate many of the processes that we observe everyday. These organisms are the unseen catalysts for numerous industrial processes and are critical to many emerging technologies and novel products. Environmental microbiologists ask: How do microorganisms in the environment benefit society? This course will answer this question by examining microbes in bioremediation, food safety, climate change, and biotechnology.

0101	Stephanie Yarwood	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMP 1109

ENST436 **Emerging Environmental Threats**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST233; or permission of AGNR-Environmental Science & Technology department.

Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis on studying the intrinsic links between ecosystem and human health. Topics will include climate change, resource consumption, biodiversity change, infectious disease, non-traditional pollutants, and other complex and significant environmental concerns.

0101	Paul Leisnham	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	ANS 0412

ENST440 **Crops, Soils and Civilization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Credit only granted for: ENST440 or NRSC440. Formerly: NRSC440.

Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James	Seats (Total: 32)	
	MWF 11:00am - 11:50am	PLS 1119	

ENST443 Industrial Ecology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH140 or MATH220; and BSCI361. Or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST643. Credit only granted for: ENST443, ENST643, or MEES698J.

Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am	ANS 0422	
	W 11:00am - 2:50pm	ANS 0538	Lab

ENST445 Ecological Risk Assessment

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST360 or BSCI361; and (BIOM301 and ENST334). Or permission of AGNR-Environmental Science & Technology department.

Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

0101	Scott Lynn, Timothy Iannuzzi	Seats (Total: 30)	
	TuTh 6:30pm - 7:45pm	ANS 0422	

ENST452 Wetland Restoration

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106; and (BSCI362, ENST450, ENST360, or BSCI361). Or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST452, ENST652, or MEES652.

Design, construction, and evaluation of wetlands restored or created to provide ecosystem services or to mitigate losses due to development. Topics include fundamental properties of wetlands, ecological restoration theory, site selection and goal-setting, design plans, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring. Two mandatory Saturday field trips will be held (dates to be announced); waterproof boots or waders are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	ANS 0412	

ENST453 **Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENST453 or ENST653.

Concepts of surface water balance, surface radiative flux, precipitation and evaporation measurements.

0101	Michael Kearney	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	ANS 0422	

ENST462 **Field Techniques in Wildlife Management**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST460; and BSCI105; and BSCI106. Recommended: ENST461. Restriction: Permission of AGNR-College of Agriculture & Natural Resources. Credit only granted for: ENST462, NRMT462, or NRMT489B. Formerly: NRMT462.

Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns.

0101	Jennifer Murrow	Seats (Total: 15)	
	F 11:00am - 3:00pm	ANS 0538	Lab

ENST466 **Ecology and Management of Wildlife Habitats**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENST460.

Introduction to general concepts of wildlife habitat ecology and management. Specifically,land use practices on public and private lands and how these practices influence wildlife production. Conduct wildlife habitat evaluations and options for alterations/manipulations to achieve specific management goals. The class will culminate with the creation and planning of a wildlife management plan.

0101	Jennifer Murrow TuTh 9:30am - 10:45am	Seats (Total: 20) ANS 0422

ENST467 **Ecology and Management of Wildlife Habitats Lab**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: ENST466.

An introduction to the principles of wildlife habitat data analysis applied at the population level. This class will teach students real world techniques used to determine and model habitat use on multiple scales. This lab course complements the material covered in ENST 466.

0101	Jennifer Murrow TuTh 11:00am - 12:50pm	Seats (Total: 10) ANS 0509

ENST472 **Capstone II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: ENST471. Restriction: Must be in a major within AGNR-Environmental Science & Technology department; and permission of AGNR-Environmental Science & Technology department.

This course is the second in a two-part series. Students will continue work on projects proposed and begun in ENST471. Focus on professional project preparation, presentation, critical evaluation on environmental science research, professional development, and career planning. Students will develop and present original projects and critique projects presented by others.

1201	Andrew Baldwin, Stephanie Yarwood W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
1505	Daniel Fisher Th 5:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
1801	Patrick Kangas M 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA

1802	Stephanie Lansing Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 15)
1803	Paul Leisnham W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
1805	Michael Kearney Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 15)
2201	Martin Rabenhorst W 3:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
2601	David Tilley W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
3003	Jose-Luis Izursa F 8:30am - 9:30am Contact instructor or department for details.	Seats (Total: 15) ANS 1420
4001	Mike Hunninghake W 5:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
4002	Sean Williamson W 5:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA

ENST479 **Tropical Ecology and Resource Management**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Tropical ecosystems and issues of human use and impact. Includes lectures which lead up to an off-campus trip in a tropical environment.

Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

0101	Patrick Kangas W 5:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 10) ANS 1420	

ENST481 **Ecological Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH220 or MATH140; and (PHYS121 and CHEM131); and (BSCI361; or students who have taken courses with comparable content may contact the department). Or permission of instructor. Restriction: Permission of AGNR-Environmental Science & Technology department. Also offered as: ENST681, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.

An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development. Concepts covered include ecology, ecological engineering, nutrient cycling, emergy, lifecycle analysis, and design process. Technologies include treatment wetlands, living machines, anaerobic digestion, rain gardens, bioswales, bioremediation, algal turf scrubbers, and green building design.

0101	Stephanie Lansing TuTh 12:30pm - 1:45pm Tu 9:00am - 10:50am	Seats (Total: 20) ANS 0422 ANS 0538	 Lab
0201	Stephanie Lansing TuTh 12:30pm - 1:45pm Th 9:00am - 10:50am	Seats (Total: 20) ANS 0422 ANS 0538	 Lab

ENST489 **Field Experience**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience for both major and non-major students.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Contact department for information to register for this course.

ENST499D **Special Topics in Environmental Science and Technology; Anaerboic Digestion Design and Testing**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Credit only granted for ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 5)
	Contact instructor or department for details.	

ENST499Z **Special Topics in Environmental Science and Technology; Introductory University Instruction**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

0101	Lance Yonkos	Seats (Total: 1)
	Contact instructor or department for details.	

ENST604 **Advanced Natural Resource and Environmental Ethics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENST214 and ENST360. Recommended: ENST314, ENST410, and ENST460. Also offered as: ENST404. Credit only granted for: ENST404 or ENST604. Additional information: This graduate level crosslist will provide an opportunity for graduate students to discuss advanced theories related to ecological ethics in practice. Students will build on the materials of ENST 404 with additional assignments and scheduled discussion.

Bridges science and management with ethical theory and concepts to help scientists, regulators, and managers understand how to deal with potential ethical dilemmas that arise in natural resource and environmental management implementation and policy development.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST605 **Energy and Environment**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH220; or students who have taken courses with comparable content may contact the department. Also offered as: ENST405. Credit only granted for: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly: MEES698Z.

Role of energy in environmental and human-dominated systems and their linkage. Discussion of the historical and modern production and consumption of energy. Energy systems simulation modeling, energy analysis and energy auditing. Review of national energy policies and proposed alternatives.

0101	David Tilley	Seats (Total: 20)
	M 6:00pm - 9:00pm	ANS 0422

ENST608 **Research Methods**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.

Contact department for information to register for this course.

ENST630 **Advanced Wetland Soils**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENST200. Credit only granted for: ENST630, ENST403, or NRSC461.

The soils of wetlands including hydrology, biogeochemistry, and pedogenesis, including a focused discussion of current literature. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 6)	
	MW 2:00pm - 2:50pm	HBK 0123	
	M 3:00pm - 6:00pm	HJP 0210	Lab
	W 11:00am - 11:50am	JMP 1109	Discussion

ENST640 **Advanced Crops, Soils, and Civilization**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as: ENST440. Credit only granted for: ENST440 or ENST640.

Explore the rise, cycling, resilience, and decline of civilizations and apply learning to modern issues in the fields of sustainability, environmental ethics, natural resource management, and agriculture. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James	Seats (Total: 10)	
	MWF 11:00am - 11:50am	PLS 1119	

ENST643 **Advanced Industrial Ecology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BSCI361; and permission of AGNR-Environmental Science & Technology department. Also offered as: ENST443. Credit only granted for: ENST443 or ENST643.

Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am	ANS 0422	
	W 11:00am - 2:50pm	ANS 0538	Lab

ENST681 **Advanced Ecological Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed one semester of calculus; and (CHEM131 and PHYS121). Or permission of instructor. Also offered as: ENST481, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.

An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

0101	Stephanie Lansing	Seats (Total: 20)
	Contact instructor or department for details.	

ENST689D **Special Topics; Anaerboic Digestion Design and Testing**

Credits: 1 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Credit only granted for ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 5)
	Contact instructor or department for details.	

ENST689N **Special Topics; Living Machine and Aquatic Restorer Construction**

Credits: 2 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Patrick Kangas	Seats (Total: 1)
	Contact instructor or department for details.	

ENST689X **Special Topics; Methods in University Teaching**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST689Z **Special Topics; Introductory University Instruction**

Credits: 1 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Lance Yonkos	Seats (Total: 1)
	Contact instructor or department for details.	

ENST702 **Environmental Science and Technology: Communication and Professional Development**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: ENST602. Restriction: Must be in Environmental Science and Technology (Master's) program; or must be in Environmental Science and Technology (Doctoral) program; or permission of instructor.

Training in communication and professional development to prepare students to succeed in careers within the fields of environmental science and technology. Topics will include manuscript and technical writing, job search, communication with academic and non-academic audiences, multi-disciplinary collaboration, management (project, personnel, time), professionalism, leadership, ethics, and career opportunities. Course emphasizes practical training through facilitated discussions and critique practicums.

0101	Brian Needelman	Seats (Total: 12)	
	W 3:00pm - 3:50pm	ANS 1420	
	F 2:00pm - 4:00pm	ANS 1420	Discussion

ENST789 **Advances in Research**

Credits: 1-4 Grading Method: Regular, Audit

A study of recent advances in agronomy research.

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

Credits: 1 Grading Method: Regular, Audit

Designed to provide a venue for interactive discussion between ENST graduate students and other members of the ENST community regarding thesis/dissertation research planned or conducted as part of the students graduate program.

0101	Stephanie Yarwood, Martin Rabenhorst	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENTM Entomology Spring 2015

ENTM612 Insect Ecology

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of CMNS-Entomology department; or must have completed a course in general ecology.

An advanced course in population and community ecology, plant-insect interactions, and insect biogeography. Emphasis on current entomological literature.

0101	Daniel Gruner	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	PLS 1113

ENTM699J Advanced Entomology; Insect Collection, Preservation and Curation Techniques

Credits: 1 Grading Method: Regular, Audit

Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.

0101	Jeffrey Shultz	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM788C Entomological Topics; Colloquium

Credits: 1-3 Grading Method: Regular, Audit

One lecture or one two-hour laboratory period a week for each credit hour. Lectures, group discussions or laboratory sessions on selected topics such as: aquatic insects, biological control of insects, entomological literature, forest entomology, history of entomology, insect biochemistry, insect embryology, immature insects, insect behavior, insect communication, principles of entomological research.

0101	Instructor: TBA	Seats (Total: 75)
	F 12:00pm - 1:50pm	PLS 1130

ENTM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

ENTS Telecommunications Spring 2015

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

Credits: 3 Grading Method: Regular, Audit

Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler Th 2:00pm - 4:45pm	Seats (Total: 40) SQH 1121
0201	David Kressler Th 5:30pm - 8:15pm	Seats (Total: 40) SQH 1119

ENTS629B **Special Topics in Cybersecurity; Cryptography and Network Security**

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in cybersecurity.

0101	Krishnan Balakrishnan F 5:30pm - 8:15pm	Seats (Total: 30) EGR 0135

ENTS629C **Special Topics in Cybersecurity; Fundamentals of IT Systems Security**

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in cybersecurity.

0101	Reza Eftekari F 9:00am - 11:45am	Seats (Total: 30) TYD 1101

ENTS630 **The Economics of International Telecommunications**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

0101	Jahangir Boroumand Tu 5:30pm - 8:15pm	Seats (Total: 36) SQH 2120
0201	Jahangir Boroumand Tu 2:00pm - 4:45pm	Seats (Total: 40) KEB 1200

ENTS632 **Telecommunications Marketing Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Janet Wagner W 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121
0201	Janet Wagner W 2:00pm - 4:45pm	Seats (Total: 40) SQH 2117

ENTS635 **Decision Support Methods for Telecommunication Managers**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.

0101	Kazim Ruhi M 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121
0201	Kazim Ruhi M 2:00pm - 4:45pm	Seats (Total: 40) SQH 1103

ENTS641 **Networks and Protocols II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program.

Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

0101	Mehdi Kalantari Khandani Th 5:30pm - 8:15pm	Seats (Total: 41) CSI 2107
0201	Mehdi Kalantari Khandani Th 2:00pm - 4:45pm	Seats (Total: 40) CHE 2136

ENTS656 **Introduction to Cellular Communication Networks**

Credits: 3 Grading Method: Regular, Audit

Concepts and techniques involved in wireless digital communications wit emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

0101	Michael Dellomo Tu 5:30pm - 8:15pm Th 5:30pm - 8:15pm	Seats (Total: 24) CHE 2108 AVW 1458	 Lab
0102	Michael Dellomo Tu 5:30pm - 8:15pm W 2:00pm - 4:45pm	Seats (Total: 24) CHE 2108 AVW 1458	 Lab

ENTS659B **Special Topics in Communications; Microwave Radio Communications Systems**

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in communications.

0101	Rikin Thakker F 2:00pm - 4:45pm	Seats (Total: 30) EGR 2154

ENTS670 **Introduction to Business and Enterpreneurship**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program. Credit only granted for: ENTS670 or ENTS689J.

This is a fundamental course that provides a broad introduction to various business issues faced by any small business or starup. Course instructors present the key issues involved in outlining a clear value proposition and profitable business model, managing and monitoring finances, developing a winning team, addressing legal considerations, executing on operations including marketing sales, manufacturing and service.

0101	Oliver Schlake M 2:00pm - 4:45pm	Seats (Total: 30) KEB 1200

ENTS689G **Special Topics in Telecommunications; Design and Analysis of Communication Networks**

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in telecommunications.

0101	Majid Raissi-Dehkordi M 5:30pm - 8:15pm	Seats (Total: 24) CSS 2416

ENTS689K **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in telecommunications.

0201	Michael Dellomo	Seats (Total: 3)
	Contact instructor or department for details.	

ENTS689L **Special Topics in Telecommunications; Cellular Network Infrastructure- Cell Site Design and Components**

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in telecommunications.

0101	Rikin Thakker	Seats (Total: 30)
	F 5:30pm - 8:15pm	EGR 0108

ENTS749C **Advanced Topics in Networking; Vehicular Networks**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in networking.

Prerequisite: ENTS 640

0101	Instructor: TBA	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	CHE 2136

ENTS759A **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in communications.

0101	Kamran Etemad	Seats (Total: 25)
	F 2:00pm - 4:45pm	CSS 2400
0201	Kamran Etemad	Seats (Total: 25)
	F 5:30pm - 8:15pm	CSS 2400

ENTS759B **Advanced Topics in Communications; Wireless OFDM Systems**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in communications.

Prerequisite: ENTS622.

0101	Alejandra Mercado Tu 2:00pm - 4:45pm	Seats (Total: 30) CHE 2136
0201	Alejandra Mercado W 2:00pm - 4:45pm	Seats (Total: 30) EGR 3106

ENTS759C **Advanced Topics in Communications; Optimization, Drivetesting, and Analysis of Modern Cellular Networks**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in communications.

0101	Michael Dellomo W 5:30pm - 8:15pm Th 2:00pm - 4:45pm	Seats (Total: 15) EGR 3106 AVW 1458	 Lab

EPIB Epidemiology and Biostatistics Spring 2015

EPIB399 **Epidemiology and Biostatistics Independent Study**

Credits: 1-3 Grading Method: Regular

The EPIB undergraduate independent study is an opportunity for undergraduates from other departments in the SPH or the university to work with an Epidemiology and Biostatistics faculty member on research or special projects that are based out of EPIB.

Contact department for information to register for this course.

EPIB610 **Foundations of Epidemiology**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.

Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras Th 4:00pm - 6:45pm	Seats (Total: 30) SPH 0307
PLH1	Graciela Jaschek Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 30) ONLINE

EPIB611 **Intermediate Epidemiology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB610.

Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

0101	Cher Dallal Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301

EPIB620 **Chronic Disease Epidemiology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB610.

Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

0101	Olivia Carter-Pokras Tu 4:00pm - 6:45pm	Seats (Total: 22) SPH 0308

EPIB641 **Public Health and Research Ethics**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Overview and discussion of ethical issues that face public health practitioners and researchers.

Also offered as KNES689Y.

0101	Barbara Alving **Meets January 26, 2015 - March 14, 2015** F 11:00am - 12:50pm	Seats (Total: 30) SPH 0305

EPIB650 **Biostatistics I**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.

Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Instructor: TBA W 7:00pm - 9:45pm	Seats (Total: 25) SPH 1301
PLH1	Raul Cruz-Cano Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 30) ONLINE

EPIB651 **Biostatistics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650. Recommended: EPIB698C (SAS Basics).

Introduction to a variety of statistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

0101	Shuo Chen W 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

EPIB653 **Applied Survival Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650 and EPIB651.

Overview of statistical methods for anlayzing censored survival data, including the Kaplan-Meier estimator, the log-rank test, Cox PH model.

0101	Xin He W 1:00pm - 3:45pm	Seats (Total: 25) SPH 0301

EPIB657 **Spatial Statistics for Public Health Data**

Credits: 3 Grading Method: Regular

Prerequisite: EPIB651 and EPIB652; or permission of instructor.

Overview three main areas of spatial statistics: point patterns, geostatistical data, and lattice (areal) data. Application of spatial statistical models including CSR, k-function, krigging, semivariogram, CAR, SAR, GWR, spatial GLM, and multilevel model to public health and environmental data analysis.

0101	Shuo Chen	Seats (Total: 12)
	Th 1:00pm - 3:45pm	SPH 0227

EPIB740 **Advanced Methods in Epidemiology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650, EPIB610, EPIB612, EPIB651, and EPIB611.

In-depth investigation of epidemiologic methods for making causal inferences and solving complex methodological problems. Multivariate models emphasized.

0101	Hongjie Liu	Seats (Total: 20)
	M 4:00pm - 6:45pm	SPH 1303

EPIB785 **Internship in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Open to master and doctoral students to discuss critical readings in Epidemiology and Biostatistics.

Contact department for information to register for this course.

EPIB798 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EXST Office of Extended Studies Spring 2015

EXST018A **Advanced Consecutive Interpretation; Chinese into English/English into Chinese**

Credits: 0 Grading Method:

PG01	Victoria Segal	Seats (Total: 16)
	Meets February 18, 2015 - May 13, 2015	
	W 10:00am - 12:00pm	Location: TBA
	Restricted to students in GSIT Program. Class will meet February 18, 25, March 11, 25, April 8, 29, May 6, and 13 in PLS 1164.	

EXST018B **Advanced Consecutive Interpretation; Spanish**

Credits: 0 Grading Method:

PG01	Rosalinda Meza-Steel	Seats (Total: 16)
	Sa 9:30am - 11:00am	SKN 3118
	Restricted to students in GSIT Program. Class will meet every other week beginning January 31.	

EXST018C **Advanced Consecutive Interpretation; French**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	M 11:30am - 1:30pm	Location: TBA
	Restricted to students in GSIT Program.	

EXST018D **Advanced Consecutive Interpretation; Arabic**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Tu 12:00pm - 2:00pm	Location: TBA
	Restricted to students in GSIT Program. Instruction by Osama Sadick will change to 5:00pm - 7:00pm starting March 24.	

EXST019A **Consecutive Interpretation; Multilingual Interpretation: Methodology**

Credits: 0 Grading Method:

PG01	Luigi David Luccarelli	Seats (Total: 25)
	M 2:30pm - 4:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning January 26.	

EXST019B **Consecutive Interpretation; Chinese into English/English into Chinese Interpretation**

Credits: 0 Grading Method:

PG01	Peng Wang	Seats (Total: 16)
	Th 9:00am - 1:00pm	SKN 3118
	Restricted to students in GSIT program. Course meets every week beginning January 29, ending March 13.	

EXST019C **Consecutive Interpretation; Spanish into English Interpretation/English into Spanish**

Credits: 0 Grading Method:

PG01	Luigi David Luccarelli, Teresa Salazar	Seats (Total: 16)
	M 2:30pm - 4:30pm	SKN 3118
	W 5:30pm - 7:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning February 2.	

EXST019D **Consecutive Interpretation; French into English/English into French Interpretation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	M 11:30am - 1:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning February 8.	

EXST019F **Consecutive Interpretation; Korena into English/English into Korean Interpretation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	W 11:00am - 1:00pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning January 30.	

EXST019G **Consecutive Interpretation; Chinese/English Sight Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Tu 5:30pm - 7:30pm	PLS 1164
	W 6:30pm - 8:30pm	PLS 1164
	Restricted to students in GSIT program. Tuesday meeting held every other week beginning January 27. Wednesday meeting held every other week beginning February 4.	

EXST019I **Consecutive Interpretation; Arabic/English Sight Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Tu 10:30am - 11:30am	SKN 0105
	Tu 2:00pm - 3:00pm	SKN 2127
	Restricted to students in GSIT program. Class will meet every other week beginning January 27.	

EXST019J **Consecutive Interpretation; Spanish/English Sight Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Tu 6:30pm - 8:30pm	ASY 3221
	Sa 12:30pm - 2:30pm	SKN 3118
	Restricted to students in GSIT program. Tuesday meeting held every other week beginning January 27. Saturday meeting held every other week beginning January 31.	

EXST019K **Consecutive Interpretation; French/English Sight Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	M 1:30pm - 2:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning February 8.	

EXST019L **Consecutive Interpretation; Korean/English Sight Translations**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	W 1:00pm - 2:00pm	SKN 3118
	Restricted to students in GSIT program.	

EXST029A **Introduction to Simultaneous Interpretation; French**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets March 23, 2015 - May 12, 2015	
	M 9:30am - 11:30am	SKN 3118
	Restricted to students in GSIT program. Beginning March 23.	

EXST029B **Introduction to Simultaneous Interpretation; Spanish**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets March 15, 2015 - May 12, 2015	
	Sa 2:30pm - 6:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning March 28.	

EXST029C **Introduction to Simultaneous Interpretation; Arabic**

Credits: 0 Grading Method:

PG01	Alaa Elgibali	Seats (Total: 16)
	Meets March 23, 2015 - May 12, 2015	
	Tu 1:00pm - 5:00pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other week beginning March 24.	

EXST029D **Introduction to Simultaneous Interpretation; Korean**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets March 23, 2015 - May 12, 2015	
	M 11:30am - 1:30pm	SKN 3118
	W 2:00pm - 4:00pm	SKN 3118
	Restricted to students in GSIT program. Monday meeting will be held every other wee beginning March 23. Wednesday meeting held every other week beginning April 1.	

EXST029E **Introduction to Simultaneous Interpretation; Chinese**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets March 23, 2015 - May 12, 2015	
	F 1:00pm - 3:00pm	SKN 3118
	Restricted to students in GSIT program. Beginning on March 27.	

EXST048A **Advanced Simultaneous Interpretation; French into English/English into French**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets February 3, 2015 - May 12, 2015	
	Contact instructor or department for details.	
	Restricted to students in GSIT program. Beginning February 3.	

EXST048B Advanced Simultaneous Interpretation; Chinese into English/English into Chinese

Credits: 0 Grading Method:

PG01	Peng Wang	Seats (Total: 16)
	TBA	SKN 3117
	Restricted to students in GSIT program. Class will meet from 8:30am - 11:30am on the following dates; January 26, 27, 28, February 9, 10, 11, March 2, and 3. Additionally, class will meet from 2:00pm - 5:00pm on February 3; from 10:00am - 11:30am on Februar 24; from 9:00am - 11:00am on March 4; and from 10:00am - 11:30am on March 10.	

EXST048C Advanced Simultaneous Interpretation; Spanish into English/English into Spanish

Credits: 0 Grading Method:

PG01	Rosalinda Meza-Steel	Seats (Total: 16)
	Sa 11:00am - 12:30pm	SKN 3118
	Restricted to students in GSIT program. Class will meet every other wee beginnig January 31.	

EXST049A Translation for Specific Domains; Multilingual Translation; Methodology

Credits: 0 Grading Method:

PG01	Peng Wang	Seats (Total: 10)
	Meets January 28, 2015 - March 11, 2015	
	W 1:00pm - 3:00pm	SKN 2127
	Restricted to students in GSIT program.	

EXST049B Translation for Specific Domains; Spanish into English/English into Spanish Translation

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 10)
	W 5:30pm - 7:30pm Sa 10:00am - 12:00pm	WDS 1127 SKN 3117
	Restricted to students in GSIT program. Wednesday meeting held every other week beginning January 28. Saturday meeting held every other week beginning February 7.	

EXST049C **Translation for Specific Domains; Korean into English/English into Korean Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 10)
	M 9:00am - 11:00am	SKN 3117
	Restricted to students in GSIT program. Class will meet every other week beginning January 29.	

EXST049D **Translation for Specific Domains; Arabic into English/English into Arabic Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 10)
	Tu 12:00pm - 2:00pm	SKN 0105
	Restricted to students in GSIT program. Class will meet every other week beginning February 1.	

EXST049E **Translation for Specific Domains; English/Italian Sight Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 10)
	Th 9:00am - 11:00am	SKN 3117
	Restricted to students in GSIT program. Class will meet every other week beginning January 29.	

EXST049F **Translation for Specific Domains; English/Italian Translation**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 10)
	Th 11:00am - 1:00pm	SKN 3117
	Restricted to students in GSIT Program. Class will meet every other week beginning January 29.	

PG02	Erin Lyons	Seats (Total: 10)
	Meets February 23, 2015 - April 24, 2015	
	TBA	SKN 3117
	Restricted to students in GSIT Program. Class will meet February 23, 27, April 13, 17, 20, and 24.	

EXST058A **Professional Practice Forum in Interpreting: Practicum; French**

Credits: 0 Grading Method:

PG01	Instructor: TBA	Seats (Total: 16)
	Meets January 30, 2015 - March 13, 2015	
	F 1:00pm - 3:00pm	SKN 3118
	Restricted to students in GSIT program. January 30 - March 13.	

EXST058B **Professional Practice Forum in Interpreting: Practicum; Chinese**

Credits: 0 Grading Method:

PG01	Peng Wang	Seats (Total: 16)
	Meets January 30, 2015 - March 13, 2015	
	F 1:00pm - 3:00pm	SKN 3117
	Restricted to students in GSIT program. January 30 - March 13.	

EXST079A **Independent Study; Public Speaking Diction**

Credits: 0 Grading Method:

PG01	Jean Vandenbosch, Andrew Wolvin	Seats (Total: 10)
	Th 3:00pm - 4:00pm	SKN 2117
	Restricted to students in GSIT program.	

FILM Film Studies Spring 2015

FILM245 **Film Form and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Steve Beaulieu TuTh 12:30pm - 1:45pm Tu 6:10pm - 8:40pm	Seats (Total: 30) SQH 2117 TWS 0207	 Lab
0201	Marit Knollmueller MW 2:00pm - 3:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0234 TWS 1100	 Lab
0301	Marit Knollmueller MW 11:00am - 12:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0205 TWS 1100	 Lab
0401	Brian Davis TuTh 3:30pm - 4:45pm Th 5:00pm - 7:30pm	Seats (Total: 30) TWS 0221 TWS 1100	 Lab

FILM302 **Cinema History II: The Sound Era**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Introduction to the international history of cinema from sound around 1930 to the present.

0101	Marianne Conroy TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 1100

FILM319C **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; Capturing the Present: The Geopolitics of Contemporary Storytelling**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

Also offered as SLLC368C. Credit granted for FILM319C or SLLC368C.

0101	Mauro Resmini TuTh 9:30am - 10:45am	Seats (Total: 30) HBK 0302H

FILM329K **Special Topics in National/International Cinemas; Contemporary Chinese Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Also offered as FILM329K. Credit will be granted for ARTH389K or FILM329k.

0101	Jason Kuo TuTh 11:00am - 12:15pm	Seats (Total: 30) HBK 0302J

FILM332 **Brazilian Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PORT332, FILM332, or PORT378. Formerly: PORT378.

Brazilian films from the late 1950s to the present with a special view to the relationship between cinema, society, historical dates, and social changes in Brazil. Taught in English.

0101	Regina Igel TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMZ 2122

FILM336 **Soviet Cinema and Empire**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Also offered as: RUSS336. Credit only granted for: RUSS336, FILM336 or RUSS398K. Formerly: RUSS398K.

Examination of the concepts of "empire" and "nation" through their representation in Soviet cinema. Taught in English.

0101	Elizabeth Papazian M 2:00pm - 3:15pm W 2:00pm - 6:00pm	Seats (Total: 30) HBK 0302H HBK 0302H

FILM346 **The Films of Billy Wilder**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; and permission of ARHU-College of Arts & Humanities. Restriction: Must not have completed ENGL329K. Credit only granted for: FILM346 or ENGL329K.

An examination of Billy Wilder's five-decade-long career, spanning a variety of genres, approaches, and languages.

0101	Oliver Gaycken M 4:00pm - 8:00pm	Seats (Total: 30) TWS 0201

FILM385 **German Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU

Also offered as: GERM385. Credit only granted for: FILM385, GERM285 or GERM385. Formerly: GERM285.

A history of German cinema from the golden age of silent films to the flourishing film culture of the 21st Century. Focuses on changing ideas of the role and purpose of national cinema, as well as the cinematic representation of nation and national identity. Taught in English.

0101	Hester Baer Tu 2:00pm - 3:15pm Th 2:00pm - 5:00pm	Seats (Total: 30) HBK 0302J HBK 0302J

FILM388 **Experiential Learning: Film Studies**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

Connects students' theoretical understanding of film studies, as obtained through the classroom, to professional experience.

Contact department for information to register for this course.

FILM469B **Special Topics in Film Theories II; The Cinema of Sergei Eisenstein**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics in film theories.

Also offered as SLLC468B. Credit granted for SLLC468B or FILM469B.

0101	Luka Arsenjuk	Seats (Total: 20)
	MW 12:00pm - 1:50pm	HBK 0302H

FILM499 **Directed Study in Film Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Readings and Research in Film Studies under faculty supervison.

Contact department for information to register for this course.

FIRE First-Year Innovation & Research Experience Spring 2015

FIRE150 **FIRE SEMESTER 2: Antibiotic Resistance**

Credits: 3 Grading Method: Regular General Education: DSNS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing on the emergence of antibiotic resistance in human pathogens. Research methods target understanding of how bacteria have evolved to become resistant to antibiotics. The implications with respect to human disease represents one of the greatest unmet research challenges of the 21st century.

0101	Liang-Chun Wang	Seats (Total: 30)
	M 10:00am - 10:50am Contact instructor or department for details.	JMP 2202

FIRE151 **FIRE SEMESTER 2: Achieving Resource, Environment & Energy Sustainability**

Credits: 3 Grading Method: Regular General Education: DSHS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing quantitative policy analysis related to resource, environment and energy sustainability. Research methods involve examination of how species characteristics, ecosystems, markets, technology and trade influence the conservation or overexploitation of natural resources. Additional areas of interest include analysis of adoption trends of renewable energy technologies and interventions to encourage households and small businesses to invest in cost-effective, energy-saving technologies.

0101	Ian Page	Seats (Total: 30)
	M 10:00am - 10:50am Contact instructor or department for details.	ITV 1111

FIRE152 **FIRE SEMESTER 2: Controlling Environmental Contamination**

Credits: 3 Grading Method: Regular General Education: DSNS

Recommended: FIRE120. Additional information: This is the second course in the FIRE (First-Year Innovation & Research Experience) program sequence and is for students participating in the Controlling Environmental Contamination innovation and research stream.

A collaborative research engagement focusing on microbial contamination of the Chesapeake Bay and local waterways. Research methods engaged include monitoring waterways for pathogenic organisms through genome fragment enrichment and direct sequencing to identify the sources of microbial contamination.

0101	Jennifer German	Seats (Total: 30)
	M 11:00am - 11:50am Contact instructor or department for details.	EGR 0110

FIRE153 **FIRE SEMESTER 2: Found In Translation**

Credits: 3 Grading Method: Regular General Education: DSNS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing on the characterization of programmed ribosomal frameshifting (PRF) in mammalian genomes. Research methods target identification and functional characterization of specific DNA sequences that act as PRF signals.

0101	Vivek Advani	Seats (Total: 30)
	M 12:00pm - 12:50pm Contact instructor or department for details.	EGR 0135

FIRE154 **FIRE SEMESTER 2: Risk Communication & Resilience**

Credits: 3 Grading Method: Regular General Education: DSHS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing on producing science-based answers for how effective government communication can help individuals and communities best prepare for, respond to, and recover from disasters.

0101	Instructor: TBA	Seats (Total: 30)
	M 1:00pm - 1:50pm	EGR 0135
	Contact instructor or department for details.	

FIRE155 **FIRE SEMESTER 2: Terrapin Genome Project**

Credits: 3 Grading Method: Regular General Education: DSNS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing on the reconstruction and annotation of the genome of the diamondback terrapin, the Maryland State reptile and mascot of our University. Students will be involved both in biological activities related to high-throughput DNA and RNA (cDNA) sequencing, and in the bioinformatics analysis of the data generated.

0101	Amy Voltz	Seats (Total: 30)
	M 1:00pm - 1:50pm	HBK 1108
	Contact instructor or department for details.	

FIRE156 **FIRE SEMESTER 2: Total War & The Home Front**

Credits: 3 Grading Method: Regular General Education: DSHU

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

Though typically waged at a physical and cognitive distance, modern warfare is an intimate part of our national experience and identity. Using World War I as our laboratory case, students will undertake projects that help to trace the often hidden lines between distant violence and the basic structures and attitudes that define our society. Students will draw on a broad variety of primary sources available in the Washington DC area to trace important ways that war affects life in this area and the nation.

0101	Bernard Cooperman	Seats (Total: 15)
	M 2:00pm - 2:50pm Contact instructor or department for details.	EGR 1110

FIRE157 **FIRE SEMESTER 2: Addiction Science: Vulnerability, Processes & Treatment**

Credits: 3 Grading Method: Regular General Education: DSHS

Recommended: FIRE120. Additional information: This course will focus on the concepts related to the process of independent research, including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes and discipline-specific methodologies. Scheduled class meetings will focus on the discussion of primary literature, troubleshooting research issues and continual review of individual and group research progress. The course requires each student to commit 8 additional hours of independent research per week.

A collaborative research engagement focusing on understanding the mechanisms underlying the development, maintenance, and treatment of addiction. Students will gain experiences in fundamental research combined with efforts to develop intervention approaches that are effective in real-world clinical settings.

0101	Cristina Risco	Seats (Total: 30)
	M 2:00pm - 2:50pm Contact instructor or department for details.	EGR 0108

FMSC Family Science Spring 2015

FMSC170 **Future of Families: Issues and Controversies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Credit only granted for: FMSC170 or FMSC298F. Formerly: FMSC298F.

Examination of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 50) SPH 1302

FMSC260 **Couple Relationships**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.

Couple relationships and their alternatives in contemporary dating, courtship and marriage.

Restricted to majors or non-majors with less than or equal to 60 credits.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 65) SPH 1301

FMSC280 **Global, Child & Family Health: Getting There Via E-Communications**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: FMSC280 or FMSC289G. Formerly: FMSC289G.

Students will learn about global maternal, child and family health issues and how these issues may affect their lives. Interdisciplinary teams of students will collaborate to develop programs aimed at improving global family health through the use of information and communications technologies.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 65) CCC 1205

FMSC290 **Family Economics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC290 or FMST290. Formerly: FMST290.

Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

Restricted to majors or non-majors with less than or equal to 60 credits.

0101	Manouchehr Mokhtari TuTh 5:00pm - 6:15pm	Seats (Total: 65) SPH 1312

FMSC302 **Research Methods in Family Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP

Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302.

Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katheryne Downes TuTh 9:30am - 10:45am	Seats (Total: 75) SPH 1303

FMSC330 **Family Theories and Patterns**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330.

Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 60) SPH 1301
0201	Mia Smith-Bynum TuTh 9:30am - 10:45am	Seats (Total: 60) SPH 1301
0301	Mia Smith-Bynum TuTh 8:00am - 9:15am	Seats (Total: 60) SPH 1301

FMSC332 **Children in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.

A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Amy Lewin TuTh 9:30am - 10:45am	Seats (Total: 65) TYD 2109
0201	Lauren Messina TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1301
0301	Mili Duggal MWF 10:00am - 10:50am	Seats (Total: 65) SPH 1301
0401	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 65) SPH 1303

FMSC341 **Personal and Family Finance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1312
SG91	William Knight M 2:00pm - 4:40pm *Restricted to Junior BMGT-Shady Grove students majoring in Accounting, International Business, Marketing and to Senior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis.*	Seats (Total: 60) BLD3 3202

FMSC381 **Poverty, Affluence, and Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, D | General Education: DSHS, DVUP

Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381.

Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Ashley Munger MWF 9:00am - 9:50am	Seats (Total: 50) SPH 1301
0201	Kevin Roy TuTh 3:30pm - 4:45pm	Seats (Total: 50) SPH 1301

FMSC383 **Delivery of Human Services to Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.

Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Amanda Berger MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1303

FMSC399 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

FMSC410 **Maternal, Child and Family Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC410 or FMSC498A. Formerly: FMSC498A.

Overview of major issues, policies, and programs related to the health of women, children, and their families in the United States. Review of social, political, and economic determinants of maternal and child health and health disparities. Use of epidemiological methods and data to identify best practices for guiding maternal and child health policy and practice.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 45) SPH 0302
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 45) SPH 0302

FMSC431 **Family Crises and Intervention**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431.

Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 65) SPH 1303

FMSC432 **Adult Development and Aging in Families**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or must have completed a comparable development course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432.

Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Katie Hrapczynski MWF 11:00am - 11:50am	Seats (Total: 40) SPH 0302
0201	Katie Hrapczynski MWF 1:00pm - 1:50pm	Seats (Total: 40) SPH 0302

FMSC460 **Violence in Families**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 65) SPH 1303

FMSC477 **Internship and Analysis in Family Science**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.

A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

Click here for Application Deadlines and additional details..

0101	Sherylls Kahn	Seats (Total: 90)
	W 3:30pm - 5:00pm Contact instructor or department for details.	Location: TBA

FMSC487 **Legal Aspects of Family Problems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp	Seats (Total: 55)
	TuTh 11:00am - 12:15pm	SPH 1303

FMSC498 **Special Topics: Family Science; Family Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Special course topics in family studies.

Contact department for information to register for this course.

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special course topics in family studies.

Contact department for information to register for this course.

FMSC498M **Special Topics: Family Science; Theory and Techniques of Family Mediation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special course topics in family studies.

Introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theo ry, practice, and techniques of negotiation, with an emphasis on custody , property division, and constructive restructuring of family relationsh ips.

0101	Kerry Tripp	Seats (Total: 40)
	Th 12:30pm - 3:15pm	SPH 1302

FMSC610 **Research Methods in Family Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Credit only granted for: FMSC610 or FMST610. Formerly: FMST610.

Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Norman Epstein	Seats (Total: 15)
	Th 1:00pm - 3:45pm	SPH 0305

FMSC647 **Theory and Techniques of Family Mediation**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC647 or FMST647. Formerly: FMST647.

An introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theory, practice, and techniques of negotiation, with an emphasis on custody, property division, and the constructive restructuring of family relationships.

0101	Kerry Tripp	Seats (Total: 40)
	Th 12:30pm - 3:15pm	SPH 1302

FMSC651 **Psychopathology in the Family Context**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC650. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC651 or FMST651. Formerly: FMST651.

Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

0101	Instructor: TBA Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC653 **Advanced Application of MFT Models and Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC652. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC653 or FMST653. Formerly: FMSC653.

Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

0101	Carol Werlinich Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

The supervision of marriage and family therapy client contact. Various family systems models of supervision applied via extant methods, including live, videotaped, and audiotaped.

0101	Carol Werlinich W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
0201	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

FMSC689 **Research Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

FMSC730 **Key Topics in Maternal and Child Health**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Review of key issues on the frontier of maternal and child health research and practice within broad public health and socio-cultural context. Examines current maternal and child health issues such as ethics, child and family health, health and socioeconomic disparities, child nutrition and obesity, military family health, and global health.

0101	Marian Jones M 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC745 **Gender and Ethnicity in Family Therapy and Service Delivery**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC745 or FMST745. Formerly: FMST745.

Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

0101	Leigh Leslie Th 9:00am - 11:45am	Seats (Total: 10) Location: TBA

FMSC789 **Non-Thesis Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Non-thesis option research papers.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC810 **Theory in Family Systems and Family Health**

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of instructor. Credit only granted for: FMSC810, FMST698P, or FMST810. Formerly: FMST810.

Theory and research on family interaction and family coping with normative health and mental health transitions and non-normative crises across the family life cycle. Micro-analysis of family process in communication, decision-making, problem-solving, and compliance to health regimens. Examination of dysfunctional patterns and effective coping strategies.

0101	Norman Epstein	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	Location: TBA

FMSC879 **Preparing Future Faculty and Professionals Seminar**

Credits: 1

Grading Method: Regular

Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health. Topics include: career mapping, networking, teaching/teaching portfolios, independent research, publishing, grant writing, program and policy evaluation, consulting, job search, interviewing and negotiation, mentoring, diversity, work-family balance, and ethical issues in the workplace. Periodic visits to universities and government/nonprofit employers.

0101	Sally Koblinsky	Seats (Total: 30)
	W 1:00pm - 1:50pm	Location: TBA

FMSC898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

FOLA Foreign Language Spring 2015

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Directed study of a modern foreign language with use of a self-instructional approach.

0101	Naime Yaramanoglu Tu 5:00pm - 7:00pm Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 4) JMZ 1123	Lab
0201	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 4)	

FOLA139R **Directed Study of a Foreign Language II; Turkish II**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A continuation of FOLA138.

Prerequisite: FOLA138R or consent of program director.

0101	Naime Yaramanoglu Tu 4:00pm - 4:50pm Contact instructor or department for details.	Seats (Total: 3) JMZ 1123	Lab
0201	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 2)	

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A continuation of FOLA139.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Tu 2:00pm - 2:50pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA149R **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A continuation of FOLA148.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Tu 3:00pm - 3:50pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Intensive directed study of a modern foreign language with use of a self-instructional approach. Equivalent to FOLA138 plus FOLA139.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	F 1:00pm - 2:30pm Contact instructor or department for details. Contact instructor or department for details.	JMZ 1123	Lab

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Intensive directed study of a modern foreign language with use of a self-instructional approach. Equivalent to FOLA138 plus FOLA139.

Students may register for FOLA158X or FOLA158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	W 6:30pm - 9:30pm Contact instructor or department for details.	JMZ 3120	Lab

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

A continuation of FOLA158. Equivalent to FOLA148 plus FOLA149.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

A continuation of FOLA158. Equivalent to FOLA148 plus FOLA149.

Prerequisite: FOLA158X or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 10)	
	Th 6:30pm - 9:30pm	JMZ 3120	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN French Spring 2015

FREN103 **Intensive Elementary French**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

BL01	Lindsey Reinstrom MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 25) JMZ 2122 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Instructor: TBA MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) JMZ 1117 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Instructor: TBA MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 1117 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

FREN203 **Intensive Intermediate French**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

BL01	Instructor: TBA MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2123 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Instructor: TBA MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2123 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Jill McAlister MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 25) JMZ 0205 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

BL04	Hannah Wegmann MW 11:00am - 11:50am F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) HBK 0123 HBK 1108 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

FREN204 **French Grammar and Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.

Intensive study of French grammar and composition.

0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0205
BL01	Instructor: TBA MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) JMZ 2122 ONLINE

FREN211 **French Reading and Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203. Restriction: Must not be a native/fluent speaker of French.

Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

Contact department for information to register for this course.

FREN241 **Women Writers of French Expression in Translation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D

Works and ideas of 20th century women writers of French in Canada, Africa, the Caribbean and France. Taught in English.

Contact department for information to register for this course.

FREN250 **Introduction to Cultural and Textual Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.

Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.

Also offered as FREN250H.

0101	Abby Broughton MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0205
0201	Morgan McMahon MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN250H **Introduction to Cultural and Textual Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.

Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.

For general honors students only. Also offered as FREN250.

0101	Abby Broughton MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0205
0201	Morgan McMahon MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN269C **Special Topics in Study Abroad II; La Chason Francaise: Then and Now**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269L **Special Topics in Study Abroad II; LANGUAGE AND CINEMA**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269Z **Special Topics in Study Abroad II; Third-Year French II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN301 **Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Grammatical analysis, elements of style; range of written genres.

0101	Elena Lozinsky MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2207
0201	Elena Lozinsky MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207

FREN302 **Translation: French to English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

Practicum in translation primarily from French to English; contrastive analysis.

0101	Erica Cefalo WF 12:00pm - 12:50pm M 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2125 JMZ 0103

FREN306 **Commercial French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

Introduction to commercial French including correspondence and business terminology. Emphasis on cross-cultural concepts needed for successful interaction within business settings. Taught in French.

Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

BL01	Erica Cefalo	Seats (Total: 20)
	MW 10:00am - 10:50am Class time/details on ELMs	JMZ 3120 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

FREN312 **France Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Analysis and discussion of current events and institutions using variou French media resources.

Contact department for information to register for this course.

FREN351 **From Romanticism to the Age of Modernism and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present.

Contact department for information to register for this course.

FREN352 **From the Age of Epic and Romance to the Enlightenment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century.

Also offered as FREN352H.

0101	Elena Lozinsky	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 3203

FREN352H **From the Age of Epic and Romance to the Enlightenment**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century.

For general honors students only. Also offered as FREN352.

0101	Elena Lozinsky	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 3203

FREN369F **Special Topics in Study Abroad III; Third-Year French I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

(Perm req)

Credits: 1-3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**

Credits: 3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Contact department for information to register for this course.

FREN399B **Directed Study in French; Directed Study in Nice II**

Credits: 1-3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Contact department for information to register for this course.

FREN401 **Writing with Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Advanced composition and stylistic analysis.

0101	Instructor: TBA	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2207

FREN495H **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be admitted to the departmental honors program.

The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN498F **Special Topics in French Literature; Twentieth and Twenty-First Century Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN351 or FREN352; or equivalent. Taught in French.

0101	Joseph Brami	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 2120

FREN498L **Special Topics in French Literature; Secrets and Lies in Medieval and Early Modern Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN351 or FREN352; or equivalent. Taught in French.

0101	Andrea Frisch	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2123

FREN499 **Special Topics in French Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An aspect of French studies, the specific topic to be announced each time the course is offered.

2310	Joseph Brami	Seats (Total: 1)
	Contact instructor or department for details.	

FREN499C **Special Topics in French Studies; Missed Connections: Stories of Love and Heartbreak in Quebec Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An aspect of French studies, the specific topic to be announced each time the course is offered.

Taught in French.

0101	Instructor: TBA MW 3:00pm - 4:15pm	Seats (Total: 25) JMZ 1117

FREN499X **Special Topics in French Studies; Directed Study in FRENCH**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An aspect of French studies, the specific topic to be announced each time the course is offered.

Contact department for information to register for this course.

FREN699O **Seminar; The Algerian Novel: 1900 to Present**

Credits: 3 Grading Method: Regular, Audit

Topic to be determined each semester.

Taught in French.

0101	Valerie Orlando W 4:30pm - 7:15pm	Seats (Total: 10) JMZ 1117

FREN699P **Seminar; Proust: In Search of Lost Time**

Credits: 3 Grading Method: Regular, Audit

Topic to be determined each semester.

Taught in French.

0101	Joseph Brami Tu 4:30pm - 7:15pm	Seats (Total: 10) JMZ 2122

FREN699T **Seminar; Advanced Translation: Theory and Practice**

Credits: 3 Grading Method: Regular, Audit

Topic to be determined each semester.

0101	Lauretta Clough Th 4:30pm - 7:15pm	Seats (Total: 6) JMZ 3106

FREN798 **Master's Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

GEMS Gemstone Spring 2015

GEMS102 **Research Topic Exploration and Team Formation**

Credits: 1 Grading Method: Regular

Restriction: Must be in the Gemstone program.

Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

0101	Kristan Skendall	Seats (Total: 180)
	Th 5:30pm - 6:30pm	EGR 1202

GEMS104 **Topics in Science, Technology and Society (STS)**

Credits: 3 Grading Method: Regular, Audit CORE: IE General Education: DSHS, DSHU, DSSP, SCIS

Prerequisite: GEMS100. Restriction: Must be in the Gemstone program.

An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester.

0101	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm W 1:00pm - 2:15pm	Seats (Total: 12) EGR 1202 ELL 0100A	Discussion
0102	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm W 12:00pm - 1:15pm	Seats (Total: 12) EGR 1202 ELL 0100B	Discussion
0103	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 3:00pm - 4:15pm	Seats (Total: 12) EGR 1202 ELL 0100D	Discussion
0104	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 12) EGR 1202 ELL 0100A	Discussion
0105	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 9:30am - 10:45am	Seats (Total: 12) EGR 1202 ELL 0100D	Discussion
0106	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 2:00pm - 3:15pm	Seats (Total: 12) EGR 1202 ELL 0100D	Discussion
0107	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 10:00am - 11:15am	Seats (Total: 10) EGR 1202 ELL 0100A	Discussion
0108	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 4:00pm - 5:15pm	Seats (Total: 12) EGR 1202 ELL 0100B	Discussion
0109	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 12:00pm - 1:15pm	Seats (Total: 10) EGR 1202 ELL 0100D	Discussion

0110	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 11:00am - 12:15pm	Seats (Total: 10) EGR 1202 ELL 0100A	Discussion
0111	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 10) EGR 1202 ELL 0100B	Discussion
0113	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm F 2:00pm - 3:15pm	Seats (Total: 10) EGR 1202 ELL 0100A	Discussion
0114	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm W 9:00am - 10:15am	Seats (Total: 10) EGR 1202 ELL 0100D	Discussion
0115	Leah Kreimer Tobin, Frank Coale Tu 5:00pm - 6:15pm W 2:30pm - 3:45pm	Seats (Total: 10) EGR 1202 ELL 0100B	Discussion
0116	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 11) EGR 1202 ELL 0100B	Discussion
0117	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 9:00am - 10:15am	Seats (Total: 10) EGR 1202 ELL 0100B	Discussion
0118	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 1:00pm - 2:15pm	Seats (Total: 10) EGR 1202 ELL 0100B	Discussion

GEMS208E **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Kristan Skendall	Seats (Total: 15)
	Contact instructor or department for details.	

GEMS208F **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restricted to Gemstone Students.

0201	Kristan Skendall	Seats (Total: 11)
	Contact instructor or department for details.	

GEMS208G **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Leah Kreimer Tobin	Seats (Total: 18)
	Contact instructor or department for details.	

GEMS208I **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Leah Kreimer Tobin	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Jessica Lee	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208K **Special Topics in Leadership and Team Development; GEMS Connect**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Leah Kreimer Tobin	Seats (Total: 24)
	Contact instructor or department for details.	

GEMS208L **Special Topics in Leadership and Team Development; GEMS GSC Executive Board**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Leah Kreimer Tobin	Seats (Total: 6)
	Contact instructor or department for details.	

GEMS208T **Special Topics in Leadership and Team Development; Thesis Conference Planning Team**

Credits: 1 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with a emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Kristan Skendall, Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 7)

GEMS296 **Team Project Seminar I**

Credits: 1 Grading Method: Regular

Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS202. Restriction: Must be in the Gemstone program with sophomore standing in a research team.

This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS297 **Team Project Seminar II**

Credits: 2 Grading Method: Regular

Restriction: Must be in the Gemstone program with sophomore standing in a research team.

This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project.

Restricted to Gemstone Students.

0101	Joseph Sullivan W 5:00pm - 5:50pm Th 7:00pm - 7:50pm	Seats (Total: 14) PLS 1113 Location: TBA
0102	Jon Hoffman Tu 4:00pm - 4:50pm F 4:00pm - 4:50pm	Seats (Total: 14) Location: TBA ELL 0100D
0103	Ricardo Araneda Tu 4:00pm - 4:50pm Th 5:00pm - 5:50pm	Seats (Total: 14) BPS 1232 BRB 1210

0104	Jose Aranda-Espinoza Tu 8:00am - 8:50am Th 6:30pm - 7:30pm	Seats (Total: 14) KEB 1200 BPS 1234
0105	Romel Gomez M 6:15pm - 7:15pm Th 9:30pm - 10:30pm	Seats (Total: 14) Location: TBA ELL 0100D
0106	Susan Dwyer Th 8:00am - 8:50am Contact instructor or department for details.	Seats (Total: 14) ELL 0100A
0201	Volker Briken M 6:30pm - 7:30pm M 7:30pm - 8:30pm	Seats (Total: 14) MCB 2119 MCB 2119
0202	Liangbing Hu Th 5:00pm - 5:50pm Tu 8:00pm - 8:50pm	Seats (Total: 14) ELL 0100A Location: TBA
0203	Bao Yang W 7:00pm - 7:50pm Su 6:00pm - 6:50pm	Seats (Total: 14) Location: TBA ELL 0100D
0204	Anil Deane W 6:30pm - 7:30pm Th 5:45pm - 6:45pm	Seats (Total: 14) Location: TBA Location: TBA
0205	Matthew Roesch M 6:00pm - 6:50pm Th 10:00am - 10:50am	Seats (Total: 14) Location: TBA BPS 1228
0206	Adam Hsieh W 6:00pm - 6:50pm W 11:00am - 11:50am	Seats (Total: 14) JMZ 0118 CHM 0128
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS396 Team Project Seminar III

Credits: 2 Grading Method: Regular

Prerequisite: GEMS297. Restriction: Must be in the Gemstone program with junior standing in a research team.

This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS397 **Team Project Seminar IV**

Credits: 2 Grading Method: Regular

Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team.

This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day.

Restricted to Gemstone Students.

0101	Thomas Castonguay W 5:30pm - 6:20pm F 4:00pm - 4:50pm	Seats (Total: 14) JMZ 3118 Location: TBA
0102	Zhengguo Xiao W 5:45pm - 6:35pm Tu 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA ASY 3215
0103	Kara Duffy M 7:00pm - 7:50pm Th 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA Location: TBA
0104	Robert Newcomb Tu 8:00am - 8:50am Th 6:40pm - 7:30pm	Seats (Total: 14) CSI 2118 KEY 0103
0105	Jonathan Dinman W 6:00pm - 6:50pm W 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA Location: TBA

0106	Rachel Manthe M 8:00pm - 8:50pm Tu 5:00pm - 5:50pm	Seats (Total: 14) LEF 1201 Location: TBA
0201	Marcio Oliveira Tu 5:00pm - 5:50pm F 12:00pm - 12:50pm	Seats (Total: 14) Location: TBA JMZ 0103
0202	Richard Yi M 5:30pm - 6:30pm Su 9:00pm - 9:50pm	Seats (Total: 14) Location: TBA HBK 0108
0203	Ramani Duraiswami W 5:15pm - 6:15pm Th 5:15pm - 6:15pm	Seats (Total: 14) AVW 3450 Location: TBA
0204	Steven Anlage F 3:00pm - 3:50pm M 6:30pm - 7:30pm	Seats (Total: 14) CHM 0119 Location: TBA
0205	Thomas Miller Th 6:30pm - 7:30pm M 8:00am - 8:50am	Seats (Total: 14) ELL 0100A PLS 4131
0206	Aravind Srinivasan Th 10:00am - 10:50am F 3:00pm - 5:00pm	Seats (Total: 14) AVW 3258 Location: TBA
0209	Kristan Skendall Contact instructor or department for details.	Seats (Total: 10)

GEMS496 **Project Writing Seminar**

Credits: 2 Grading Method: Regular

Prerequisite: GEMS397. Restriction: Must be in the Gemstone program.

This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS497 Team Thesis Defense

Credits: 2 Grading Method: Regular General Education: DSSP

Prerequisite: GEMS396. Restriction: Must be in the Gemstone program.

Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission.

Restricted to Gemstone Students.

0101	Adam Behrens Tu 8:00am - 9:20am	Seats (Total: 14) Location: TBA
0102	John Fisher M 5:00pm - 5:50pm W 7:00pm - 7:50pm	Seats (Total: 14) KEB 1200 VMH 2509
0103	Lance Yonkos Tu 6:00pm - 7:50pm	Seats (Total: 14) ANS 1410
0104	Ramalingam Chellappa Th 5:00pm - 5:50pm Tu 7:30pm - 8:30pm	Seats (Total: 14) AVW 4424 PLS 1176
0105	Erica Glasper Andrews M 6:00pm - 7:50pm	Seats (Total: 14) SQH 2121
0106	Bill Fagan M 5:00pm - 5:50pm Th 5:00pm - 5:50pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Jeremy Munday M 6:15pm - 7:15pm W 6:45pm - 7:45pm	Seats (Total: 14) Location: TBA MTH B0431
0202	Ben Woodard Tu 8:00pm - 10:00pm	Seats (Total: 14) Location: TBA
0203	Andrew Ristvey M 3:00pm - 3:50pm W 8:00am - 8:50am	Seats (Total: 14) MTH 0411 PLS 2107

0204	John Aloimonos M 2:00pm - 2:50pm W 4:00pm - 4:50pm	Seats (Total: 14) JMZ 1226 Location: TBA	
0205	Bryan Quinn Th 5:00pm - 5:50pm F 12:00pm - 12:50pm	Seats (Total: 14) AVW 1318 JMZ 1123	
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 3)	

GEOG Geographical Sciences Spring 2015

GEOG100 Introduction to Geography

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101	Instructor: TBA MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 SQH 2120	Discussion
0102	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 EDU 2102	Discussion
0103	Instructor: TBA MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 PLS 1146	Discussion
0104	Instructor: TBA MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 EDU 3236	Discussion

GEOG130 Developing Countries

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DSSP

An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 1224	Discussion
0102	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 COL 0101	Discussion
0103	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0104	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0105	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 MTH 0401	Discussion
0106	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 MTH 0411	Discussion
0107	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 EGR 2116	Discussion
0108	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 MTH 0403	Discussion
0109	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 MTH B0423	Discussion

0110	Ronald Luna MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 BPS 0283	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 TYD 0111	Discussion
0103	Keith Yearwood MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 EDU 1315	Discussion
0104	Keith Yearwood MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0105	Keith Yearwood MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 SYM 0209	Discussion
0106	Keith Yearwood MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 SQH 2119	Discussion

GEOG201 **Geography of Environmental Systems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with GEOG211)

A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Keith Yearwood TuTh 9:30am - 10:45am	Seats (Total: 240) LEF 2205	

GEOG202 **Introduction to Human Geography**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC

Introduction to what geographers do and how they do it. Systematic stud of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Patricia Kewer MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 LEF 1201	Discussion
0102	Patricia Kewer MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 KEY 0124	Discussion
0103	Patricia Kewer MW 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 SQH 2120	Discussion
0104	Patricia Kewer MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 1315	Discussion

GEOG211 **Geography of Environmental Systems Laboratory**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201.

A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis.

Students must pay a $40.00 laboratory materials fee.

0101	Keith Yearwood M 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0201	Keith Yearwood M 11:00am - 1:00pm	Seats (Total: 24) LEF 1138	Lab
0301	Keith Yearwood Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0401	Keith Yearwood Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
0501	Keith Yearwood W 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0601	Keith Yearwood W 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab
0701	Keith Yearwood W 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
0801	Keith Yearwood M 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
0901	Keith Yearwood M 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab
1001	Keith Yearwood Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1138	Lab

GEOG212 **Introduction to Human Geography Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in GEOG202. Restriction: Must be in Geography program.

Introduction to the basic methods and techniques employed in human geography.

0101	Jacqueline Waite M 9:00am - 11:00am	Seats (Total: 25) TYD 2110	Lab

GEOG312 **The United States and Canada**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GEOG312 or GEOG320. Formerly: GEOG320.

The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Patricia Kewer MWF 1:00pm - 1:50pm	Seats (Total: 30) LEF 1201

GEOG328B **Topics in Regional Geography; Geography of China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

0101	Tao He, Feng Zhao Th 9:30am - 12:00pm	Seats (Total: 50) LEF 1124

GEOG372 **Remote Sensing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

Students must pay a $40.00 lab fee.

0101	Tatiana Loboda TuTh 9:30am - 10:45am Th 1:00pm - 4:00pm	Seats (Total: 25) LEF 2166 LEF 1136	Lab
0102	Tatiana Loboda TuTh 9:30am - 10:45am F 11:00am - 2:00pm	Seats (Total: 25) LEF 2166 LEF 1136	Lab

GEOG373 **Geographic Information Systems**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

There is a $40.00 lab fee for this course.

0101	Naijun Zhou W 9:00am - 11:00am Th 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou W 9:00am - 11:00am Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG376 **Introduction to Computer Programming for GIS**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. And GEOG373; or permission of BSOS-Geography department.

Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

Students must pay a $40.00 laboratory materials fee.

0101	Instructor: TBA MW 11:00am - 12:00pm F 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Instructor: TBA MW 11:00am - 12:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 15)
	Contact instructor or department for details.	

GEOG384H **Internship in Geography I**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-Geography department; and senior standing or higher; and must be in Geography program. Formerly: GEOG397.

First course in the departmental honors sequence. Student development o a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG396. Restriction: Must be in Geography program; and senior standing or higher. Formerly: GEOG399.

Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

Contact department for information to register for this course.

GEOG398B **Special Topics in Geography; Advanced Geographical Environmental Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

0101	Eric Kasischke	Seats (Total: 100)
	TuTh 12:30pm - 1:45pm	TYD 0117

GEOG398C **Special Topics in Geography; Population Geography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

0101	Mila Zlatic	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	LEF 2205

GEOG413 **Migration: Latin America and the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG313; or permission of BSOS-Geography department. Recommended: HIST250; or USLT201; or LASC234. Credit only granted for: GEOG413, or GEOG498M. Formerly: GEOG498M.

Develops an understanding of the push and pull factors that have contributed to human mobility (migration) that has transformed the Americas. The class is divided in two parts: immigration and emigration from Latin American and Latin America migration to the United States. We will be interested in studying the migration shifts that have occurred in Latin America and the theories that help explain them. The themes that will be addressed are the history of migration with Latin America and to North America, the impact of this migration on both sending and receiving countries, and the various policy strategies and issues concerning migration.

0101	Ronald Luna	Seats (Total: 25)
	MW 9:00am - 10:15am	LEF 1124

GEOG415 **Land Use, Climate Change, and Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG123 or GEOG306; or permission of BSOS-Geography department. Recommended: GEOG340; or GEOG342; or GEOG331. Or GEOG201; and GEOG211. Credit only granted for: GEOG415 or GEOG498D. Formerly: GEOG498D.

The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

0101	Kuishuang Feng	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	LEF 1124

GEOG437 Political Geography

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GEOG423 or GEOG437. Formerly: GEOG423.

Geographical factors in the national power and international relations; an analysis of the role of geopolitics and geostrategy, with special reference to the current world scene.

0101	Mila Zlatic	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	LEF 2166

GEOG441 The Coastal Ocean

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG140; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department. Credit only granted for: GEOG441 or GEOG498C. Formerly: GEOG498C.

Introduction to coastal oceanography, focusing on the physical, biological, and geological aspects of ocean areqs on the inner continental shelves. Wave, currents, and tidal dynamics of bays, open coast, estuaries, and deltas. Sedimentary environments of major coastal types. Ecology and biogeochemical relationships, including benthic and planktonic characteristics. Coastal evolution with sea level rise. Human impacts: eutrophication, modification of sedimentation. The coastal future: rising sea level, hypoxia, and increased storminess.

0101	Instructor: TBA	Seats (Total: 40)
	W 10:30am - 1:00pm	COL 0101

GEOG473 Geographic Information Systems and Spatial Analysis

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482.

Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies.

Students must pay a $40.00 lab fee.

0101	Naijun Zhou W 11:00am - 1:00pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Naijun Zhou W 11:00am - 1:00pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG498E **Topical Investigations; Climate, Energy, and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

0101	Giovanni Baiocchi MW 9:00am - 10:15am	Seats (Total: 40) TYD 0111

GEOG498L **Topical Investigations; Land Use and Urban Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

0101	Instructor: TBA W 1:00pm - 3:30pm	Seats (Total: 40) LEF 1124

GEOG498R **Topical Investigations; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

0101	Matthew Hansen	Seats (Total: 25)	
	M 2:00pm - 4:00pm	LEF 1124	
	W 3:00pm - 5:00pm	LEF 1138	Lab

GEOG498V **Topical Investigations; Mobile GIS**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

0101	Instructor: TBA	Seats (Total: 20)	
	Tu 2:00pm - 4:00pm	LEF 1124	
	W 12:00pm - 2:00pm	LEF 1138	Lab

GEOG498W **Topical Investigations; Intermediate GIS for Social Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Also offered as GVPT368I and GVPT729D. Credit granted for GVPT368I, GEOG498W, or GVPT729D.

0101	James Gimpel	Seats (Total: 13)	
	M 2:00pm - 4:00pm	LEF 1171	
	W 4:45pm - 6:45pm	LEF 1136	Lab

GEOG603 **Masters Research Tutorial**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.

Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOG305; or permission of BSOS-Geography department. Credit only granted for: GEOG605 or GEOG606. Formerly: GEOG605.

Multivariate statistical method applications to spatial problems. Linea and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation.

Students must pay a $40.00 lab fee.

0101	Chengquan Huang	Seats (Total: 20)
	Th 5:30pm - 8:00pm	LEF 1171

GEOG608 **Comprehensive Portfolio Assessment Summary**

Credits: 1-3 Grading Method: Sat-Fail

Evaluation of a PhD student's portfolio.

Contact department for information to register for this course.

GEOG636 **Qualitative Methods in Geography**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Geography department. Formerly: GEOG648C.

Use of qualitative methods for qualitative geographic research. Design procedures and analysis of qualitative studies are the focus of the course. Includes readings and trying out various methods. Students will be able to present their own research and use it as an example throughout the course.

0101	Patricia Kewer	Seats (Total: 15)
	W 5:00pm - 7:30pm	LEF 1124

GEOG653 **Spatial Analysis**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG579 or GEOG506; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.

Methods of spatial analysis including measuring aspects of geometric features and identifying spatial patterns of geospatial objects that are represented as point, line, network, areal data, and 3-D surfaces.

Students must pay a $40.00 laboratory materials fee.

Contact department for information to register for this course.

GEOG655 **Spatial Database System**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

This course is designed to help students understand, analyze, design, and implement spatial databases. While the basic concepts and theories of database will be introduced, the focus of this course will be on providing students with hands-on experiences to practice the technical skills used in spatial database design and implementation. SQL, Oracle, and ArcSDE are the key topics.

Students must pay a $40.00 laboratory materials fee.

Contact department for information to register for this course.

GEOG657 **Web Programming**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Geospatial Information Sciences program. Credit only granted for: GEOG657 or GEOG788R. Formerly: GEOG788R.

Intermediate course designed to teach students the techniques for Web development, particularly creating dynamic and data-driven Web applications. Introduces a high-level, object-oriented programming language such as VB.Net and the designing, coding, debugging, testing, and documenting for the development of Web-based applications. Other popular Web development tools such as DHTML, CSS and PHP are also covered.

Students must pay a $40.00 laboratory materials fee.

Contact department for information to register for this course.

GEOG788 **Selected Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular

Readings and discussion on selected topics in the field of geography.

Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788E **Selected Topics in Geography; Climate, Energy, and Policy**

Credits: 3

Grading Method: Regular,
Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Giovanni Baiocchi	Seats (Total: 40)	
	MW 9:00am - 10:15am	TYD 0111	

GEOG788M **Selected Topics in Geography; Migration: Latin America and the United States**

Credits: 3

Grading Method: Regular,
Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Ronald Luna	Seats (Total: 25)	
	MW 9:00am - 10:15am	LEF 1124	

GEOG788R **Selected Topics in Geography; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

Credits: 3

Grading Method: Regular,
Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Matthew Hansen	Seats (Total: 25)	
	M 2:00pm - 4:00pm	LEF 1124	
	W 3:00pm - 5:00pm	LEF 1138	Lab

GEOG788V **Selected Topics in Geography; Mobile GIS**

Credits: 1-3

Grading Method: Regular,
Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Instructor: TBA	Seats (Total: 20)	
	Tu 2:00pm - 4:00pm	LEF 1124	
	W 12:00pm - 2:00pm	LEF 1138	Lab

GEOG788W **Selected Topics in Geography; Introduction to Computational Social Science**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Paul Torrens	Seats (Total: 20)
	W 2:00pm - 4:30pm	LEF 1171

GEOG789 **Independent Readings**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Independent reading as arranged between a graduate faculty member and graduate student.

Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

Credits: 3 Grading Method: Regular, Audit

Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG797 **Professional Project**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG795; and must have completed or be concurrently enrolled in ENCE662. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.

Data and materials can originate from an internship (internal or external) or from relevant work experience with current employer. Under direction of faculty advisor, students will prepare a project report containing explanation of the requirements for the work, technical account of the activities undertaken, including literature review, description of methods and approaches taken, a critical discussion of results, along with conclusions and recommendations developed from the project. Final project will consist of a full-fledged GIS application that is up and running and can be tested, providing potential employers with a portfolio demonstrating student's ability to manage and develop a GIS application in real world situations.

Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Seminar Series**

Credits: 1 Grading Method: Regular, Audit

Readings and discussions on selected topics in the field of geography.

0101	Rachel Berndtson Th 3:30pm - 5:00pm	Seats (Total: 50) LEF 1124

GEOG799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

GEOL Geology Spring 2015

GEOL100 **Physical Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with GEOL110)

Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.

A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 95) KEB 1110
0201	Aaron Martin TuTh 2:00pm - 3:15pm	Seats (Total: 95) BPS 1243

GEOL102 **Historical Geology**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100; and GEOL110. Or permission of CMNS-Geology department.

Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

0101	Thomas Holtz MWF 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 24) PLS 1113 GEO 2107	 Lab

GEOL110 **Physical Geology Laboratory**

Credits: 1

Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.

The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations.

Students must pay a $50.00 lab materials fee.

0101	Sarah Penniston-Dorland, Anthony Mautino M 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	 Lab
0201	Anthony Mautino, Sarah Penniston-Dorland M 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	 Lab
0301	Sarah Penniston-Dorland, Hailong Bai Tu 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	 Lab
0401	Sarah Penniston-Dorland Tu 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	 Lab
0501	Sarah Penniston-Dorland Th 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	 Lab
0601	Sarah Penniston-Dorland Th 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	 Lab

0901	Sarah Penniston-Dorland W 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab

GEOL120 **Environmental Geology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Credit only granted for: GEOL100 or GEOL120.

A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0201	Sujay Kaushal TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1164	Discussion
0202	Sujay Kaushal TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1164	Discussion
0203	Sujay Kaushal TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1164	Discussion
0204	Sujay Kaushal TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1168	Discussion

GEOL123 **Causes and Consequences of Global Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Also offered as: AOSC123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123.

Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

0101	Michael Evans MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 PLS 1164	Discussion
0102	Michael Evans MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 PLS 1164	Discussion
0103	Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 PLS 1164	Discussion
0104	Michael Evans MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0105	Michael Evans MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0106	Michael Evans MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion

GEOL204 **Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Examination of evidence used to reconstruct critical events in the history of life by looking at case studies of significant evolutionary origins, transitions, and extinctions; addressing the role of paleontology in human society, including science education, conservation, and the media.

0101	Thomas Holtz TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion
0102	Thomas Holtz TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion

0103	Thomas Holtz TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion
0104	Thomas Holtz TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion
0105	Thomas Holtz TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion
0106	Thomas Holtz TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion

GEOL224 **Observations and Measurements of the Natural World**

Credits: 3 Grading Method: Regular General Education: DSSP

A scientific research team experience focused on evaluating environmental controls on water quality in urbanized streams of College Park. Training in field, laboratory, and digital visualization techniques to gain hands on knowledge of the scientific method through detailed observations, measurements, manipulations, and interpretations of data gathered during the course.

0101	Alan Kaufman Tu 2:00pm - 3:15pm F 12:00pm - 2:50pm	Seats (Total: 20) PHY 1201 GEO 2106	Discussion
0102	Alan Kaufman Tu 2:00pm - 3:15pm F 12:00pm - 2:50pm	Seats (Total: 20) PHY 1201 GEO 2107	Discussion

GEOL322 **Mineralogy**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100; and GEOL110. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Permission of instructor is required for non-degree seeking students.

Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Sarah Penniston-Dorland	Seats (Total: 22)	
	TuTh 11:00am - 12:15pm M 2:00pm - 5:00pm	PLS 1115 GEO 2107	Lab

GEOL340 **Geomorphology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100. Restriction: Permission of instructor is required of non-degree seeking students.

Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

0101	Karen Prestegaard	Seats (Total: 24)	
	TuTh 9:30am - 10:45am W 10:00am - 1:00pm	PLS 1117 GEO 2107	Lab

GEOL342 **Sedimentation and Stratigraphy**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: GEOL120 or GEOL100; and GEOL110; and GEOL322. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Permission of instructor is required of non-degree-seeking students.

Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

0102	Instructor: TBA	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm Tu 12:30pm - 3:30pm	PLS 1113 GEO 2117	Lab

GEOL393 **Geology Senior Thesis I: Proposal**

Credits: 3 Grading Method: Regular

Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor.

The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela Tu 4:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 10) PLS 1158

GEOL393H **Geology Senior Thesis I: Proposal**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor.

The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela Tu 4:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 10) PLS 1158

GEOL394 **Geology Senior Thesis II: Research**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department.

The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL394H **Geology Senior Thesis II: Research**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department.

The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

For Geology department honors students only.

Contact department for information to register for this course.

GEOL431 **Vertebrate Paleobiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI207, BSCI392, GEOL104, GEOL204, or GEOL331; or permission of CMNS-Geology department. Additional information: This course will fulfill an elective requirement in the geology major (both professional and secondary ed. tracks) and is expected to serve as an elective for graduate students in Geology and BEES.

A survey of the evolution of the vertebrates, encompassing information from the diversity of living members, but concentrating on the contribution of the fossil record. Emphasis is on the phylogenetic systematics, comparative and functional anatomy, developmental biology, and stratigraphic distribution of major extinct and extant groups.

0101	John Merck, Thomas Holtz	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	BPS 1232	
	M 1:00pm - 1:50pm	PLS 1146	Discussion

GEOL435 **Environmental Geochemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH115; and (GEOL100 or GEOL120); and (GEOL436 or GEOL444). And CHEM131 and CHEM132; or (CHEM135 and CHEM136). Restriction: Nondegree-seeking students require the permission of the instructor. Credit only granted for: GEOL489W or GEOL435. Formerly: GEOL489W.

An understanding of geochemical cycles of Earth's surface systems including soils, rivers, lakes, and estuaries and causes and implications of alteration of geochemical cycles. Topics include chemical weathering, soils, chemical composition of inland waters, hydrologic tracers, salinization, eutrophication, nutrient and metal pollution, and global geochemical cycles.

0101	Sujay Kaushal	Seats (Total: 12)	
	M 1:00pm - 3:50pm	PLS 1113	

GEOL443 **Petrology**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. And must have completed or be concurrently enrolled in GEOL423; and (GEOL100 or GEOL120); and GEOL110. Corequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor.

Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

0101	Instructor: TBA	Seats (Total: 18)	
	TuTh 8:00am - 9:15am	PLS 1113	
	Th 1:00pm - 4:00pm	GEO 2117	Lab

GEOL451 Groundwater

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL110 and MATH140; and (GEOL120 or GEOL100); and (CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher.

An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 42)
	MWF 9:00am - 9:50am	PLS 1115

GEOL457 Seismology

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100; and (MATH141, GEOL110, and MATH140). Or permission of CMNS-Geology department. Recommended: PHYS171, PHYS141, or PHYS161. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL457 or GEOL489A. Formerly: GEOL489A.

General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Nicholas Schmerr	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1172

GEOL463 **Economic Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL322; and (CHEM131 or CHEM135); and (CHEM132 or CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL489Q or GEOL463. Formerly: GEOL489Q.

The geological setting, and mineralogy of ore bodies, as well as the chemical and physical factors affecting the source, transport and deposition of metallic ores, petroleum and natural gas will be covered. The economics of mineral resources will be discussed.

0101	Philip Candela	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1164

GEOL489P **Special Topics; Evolution of Earth's Early Atmosphere and Oceans**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recent advances in geology.

0101	James Farquhar	Seats (Total: 10)
	TuTh 9:30am - 10:45am	PLS 1168

GEOL489R **Special Topics; Geoscience Communications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recent advances in geology.

0101	Alan Kaufman	Seats (Total: 10)
	F 8:00am - 10:50am	HBK 0103

GEOL497 **Recent Advances: Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed at least 2 upper-level GEOL courses. Corequisite: GEOL393; and a third upper-level geology course. Restriction: Must be in Geology program; and GPA of 3.0 or better in both overall and in all courses required for the major; and senior standing; and to be taken as late as possible in the program. Credit only granted for: GEOL497 or GEOL489H. Formerly: GEOL489H.

A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

0101	Michael Brown	Seats (Total: 10)	
	W 8:00am - 8:50am	PLS 1164	
	F 3:00pm - 4:00pm	Location: TBA	
	M 4:00pm - 6:00pm	PLS 1164	Discussion

GEOL497H **Recent Advances: Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed at least 2 upper-level GEOL courses. Corequisite: GEOL393; and a third upper-level geology course. Restriction: Must be in Geology program; and GPA of 3.0 or better in both overall and in all courses required for the major; and senior standing; and to be taken as late as possible in the program. Credit only granted for: GEOL497 or GEOL489H. Formerly: GEOL489H.

A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

0101	Michael Brown	Seats (Total: 10)	
	W 8:00am - 8:50am	PLS 1164	
	F 3:00pm - 4:00pm	Location: TBA	
	M 4:00pm - 6:00pm	PLS 1164	Discussion

GEOL499 **Special Problems in Geology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL635 **Environmental Geochemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH115; and (GEOL100 or GEOL120); and (GEOL436 or GEOL444). And CHEM131 and CHEM132; or (CHEM135 and CHEM136). Restriction: Nondegree-seeking students require the permission of the instructor. Also offered as: GEOL435. Credit only granted for: GEOL635, GEOL789W, GEOL435 or GEOL489W. Formerly: GEOL789W.

Geochemical cycles of Earth's surface systems including soils, rivers, lakes, and estuaries and causes; and implications of their alteration. Topics include chemical weathering, soils, chemistry of inland waters, hydrologic tracers, salinization, eutrophication, nutrient and metal pollution, and global geochemical cycles.

0101	Sujay Kaushal	Seats (Total: 12)
	M 1:00pm - 3:50pm	PLS 1113

GEOL653 **Advanced Problems in Economic Geology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOL453. Restriction: Non-degree-seeking students require the permission of the instructor.

A systematic study of particular ore deposit types or areas of mineralization, primarily involving major economically important metals. Geologic setting, mineralogy and form and character of the ore bodies, chemical and physical factors affecting source, transport and deposition of ore forming fluids.

0101	Philip Candela	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1164

GEOL654 **Fluvial Geomorphology Seminar**

Credits: 3 Grading Method: Regular, Audit

Recommended: GEOL452 and GEOL340. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL654 or GEOL789B. Formerly: GEOL789B.

Fluvial geomorphology is the study of the movement of water and sedimentin stream channels. This includes: formation of channels, open channel hydraulics, sediment transport or bedload and suspended load, river morphology and landscape evolution. The course is designed for graduate students and advanced undergraduates.

0101	Karen Prestegaard W 4:00pm - 6:30pm	Seats (Total: 12) PLS 1172

GEOL657 **Seismic Wave Propagation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH140 and MATH141; and (PHYS141, PHYS161, or PHYS171); and permission of CMNS-Geology department. Recommended: GEOL100 or GEOL120; and (MATH241 and MATH246); and (PHYS260 or PHYS273). Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL657 or GEOL789A. Formerly: GEOL789A.

A description of the physics of seismic wave propagation and their applications to the determination of the structure of the Earth and the mechanics of earthquakes.

0101	Nicholas Schmerr TuTh 11:00am - 12:15pm	Seats (Total: 10) PLS 1172

GEOL789E **Recent Advances in Geology; Inverse Theory Seminar**

Credits: 3 Grading Method: Regular, Audit

Recent advances in geology research.

Seminar focusing on theory and practice of inferring unknown quantities from noisy geophysical observations. Emphasis is on understanding uncertainty, both in describing the effects of noise on observations, and quantifying the errors and trade-offs among inferred parameters. Topics include iterative-linearization and model-space-search approaches to non-linear problems, Bayesian formulations, and trans-dimensional inversion.

0101	Vedran Lekic Tu 2:00pm - 4:50pm	Seats (Total: 15) ARC 1125

GEOL789M **Recent Advances in Geology; Computational Geodynamics**

Credits: 3 Grading Method: Regular, Audit

Recent advances in geology research.

0101	Laurent Montesi TuTh 12:30pm - 1:45pm	Seats (Total: 10) PLS 1117

GEOL789P **Recent Advances in Geology; Evolution of Earth's Early Atmosphere and Oceans**

Credits: 3 Grading Method: Regular, Audit

Recent advances in geology research.

0101	James Farquhar	Seats (Total: 10)
	TuTh 9:30am - 10:45am	PLS 1168

GEOL789R **Recent Advances in Geology; Geoscience Communications**

Credits: 3 Grading Method: Regular, Audit

Recent advances in geology research.

0101	Alan Kaufman	Seats (Total: 25)
	F 8:00am - 10:50am	HBK 0103

GEOL789T **Recent Advances in Geology; The Precambrian: A Geological Record of Secular Change**

Credits: 3 Grading Method: Regular, Audit

Recent advances in geology research.

Prerequisite: BS in Geology or a related discipline or permission of the instructor. Non-degree-seeking students require the permission of the instructor. The geological evidence for secular change, the supercontinent cycle and coupling of Earth's geochemical reservoirs; tectonic models for the Precambrian.

0101	Michael Brown	Seats (Total: 10)
	M 9:00am - 11:50am	PLS 1164

GEOL798 **Seminar in Geology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Discussion of special topics in current literature in all phases of geology.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

GERM Germanic Studies Spring 2015

GERM103 **Intensive Elementary German**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

BL01	Brian Oxendine MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 25) JMZ 2117 ONLINE
BL02	Eileen Sellman MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2120 ONLINE

GERM148Y **Germanic Languages - Elementary I; Yiddish I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Basic instruction in a Germanic language other than German; Yiddish and Swedish are offered regularly, Danish, Netherlandic, and Norwegian when demand is sufficient. Subtitle will reflect the language. May be repeated in a different language.

Also offered as JWST281. Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure.

0101	Adi Mahalel TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 1111

GERM203 **Intensive Intermediate German**

Credits: 4 | Grading Method: Regular, Audit | CORE: HO

Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

BL01	Brian Oxendine MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 25) JMZ 2117 ONLINE
BL02	Ina Sammler MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2117 ONLINE

GERM204 **German Grammar Review**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of German.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Regina Ianozi MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122

GERM283 **Viking Culture and Civilization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

An introduction to the lifestyle of northern Europe in the 9th to 11th centuries. Taught in English.

0101	Rose-Marie Oster TuTh 11:00am - 12:15pm	Seats (Total: 45) JMZ 2206

GERM301 **Conversation and Composition I: Germany and Its People**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.

Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Hester Baer	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 3203

GERM302 **Conversation and Composition II: Current Topics in German Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.

Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Julie Koser	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2125

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**

Credits: 3

Grading Method: Regular

Contact department for information to register for this course.

GERM320 **Survey of German Studies**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.

Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 3205

GERM320H **Survey of German Studies**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.

Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 3205

GERM369A **Special Topics in Study Abroad III; Advanced German I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369B **Special Topics in Study Abroad III; Advanced German II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369C **Special Topics in Study Abroad III; German Composition I**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369L **Special Topics in Study Abroad III; Contemporary German Literature**

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369P **Special Topics in Study Abroad III; Pop Culture: European-American Trends**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM385 **German Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Also offered as: FILM385. Credit only granted for: GERM385, GERM285 or FILM385. Formerly: GERM285.

A history of German cinema from the golden age of silent films to the flourishing film culture of the 21st Century. Focuses on changing ideas of the role and purpose of national cinema, as well as the cinematic representation of nation and national identity. Taught in English.

0101	Hester Baer	Seats (Total: 30)
	Tu 2:00pm - 3:15pm	HBK 0302J
	Th 2:00pm - 5:00pm	HBK 0302J

GERM386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

GERM389F **Topics in Germanic Culture; Berlin: History, Memory, Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the cultures of the German, Germanic, Indo-European peoples and of their culturally related non-Indo-European neighbors. Taught in English.

Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Supervised reading to be taken normally only by students admitted into honors program.

Contact department for information to register for this course.

GERM399 **Selected Topics in Germanic Studies**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

GERM399F **Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

GERM403 **Advanced Composition: German Cultural and Social Issues**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.

Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Victoria Finney	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2117

GERM403H **Advanced Composition: German Cultural and Social Issues**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.

Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Victoria Finney	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2117

GERM411 **German for International Business I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Advanced skills in German for international business, including understanding and writing correspondence, reports, graphics, ads, etc., according to current German commercial style.

Contact department for information to register for this course.

GERM436 **The Usual Suspects: Criminals in German Literature and Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: GERM320 or GERM322; or permission of instructor.

An examination of how historical, cultural and political discourses in German-speaking countries influence social norms and criteria for judging what is considered socially acceptable or "deviant". Texts and films span from the 18th to 21st centuries. Taught in German.

0101	Julie Koser	Seats (Total: 25)
	M 4:30pm - 7:15pm	JMZ 2120

GERM439A **Selected Topics in German Literature; Journeys Across Continents**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special study of an author, school, genre, or theme. Taught in German.

Also offered as GERM689A. Credit granted for GERM439A or GERM689A.

0101	Elke Frederiksen	Seats (Total: 25)
	Th 4:30pm - 7:15pm	JMZ 3205

GERM449P **Selected Topics in Germanic Studies; Pagan Gods, Christian Saints and Divine Heroes**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Study of a linguistic, literary or cultural topic in Yiddish, Netherlandic, or Scandinavian studies.

Taught in English. In the first part of this course we will read and discuss Old Norse mythological texts, such as Snorri Sturluson's Edda and examine critically the pagan Germanic source material at our disposal in order to try to understand the beliefs of the society of pagan Scandinavia. We will pay particular attention to rites and rituals as they emerge from both written sources and archeology. We will then read and discuss The Saga of the Volsungs and the Saga of King Hrolf Kraki as examples of sagas about divine heroes as well as Grettir's Saga, the story about a thwarted hero. Towards the end of the semester, we will turn our attention to the conversion period in Norse society and discuss an example of writings about saints, Snorri Sturluson's Saga of King Olaf the Saint.

0101	Rose-Marie Oster	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2120

GERM498 **Honors Thesis Writing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Required for students pursuing departmental honors in Germanic language and literatures. Under the direction of a German department faculty member, students write their honors theses.

Contact department for information to register for this course.

GERM499 **Directed Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

GERM689A **Special Topics - M.A. Level; Journeys Across Continents**

Credits: 3 Grading Method: Regular, Audit

M.A.-level study of a literary, linguistic or cultural topic in German or Germanic studies.

Also offered as GERM439A. Credit granted for GERM439A or GERM689A.

0101	Elke Frederiksen	Seats (Total: 25)
	Th 4:30pm - 7:15pm	JMZ 3205

GERM689J **Special Topics - M.A. Level; The Usual Suspects: Criminals in German Literature and Film**

Credits: 3 Grading Method: Regular, Audit

M.A.-level study of a literary, linguistic or cultural topic in German or Germanic studies.

0101	Julie Koser	Seats (Total: 25)
	M 4:30pm - 7:15pm	JMZ 2120

GERM798 **Master's Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GERM888 **Doctoral Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GREK Greek Spring 2015

GREK102 **Elementary Ancient Greek II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GREK101; or students who have taken courses with comparable content may contact the department.

Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

0101	Instructor: TBA	Seats (Total: 20)	
	MWF 2:00pm - 2:50pm	LEF 1222	
	M 1:00pm - 1:50pm	LEF 1222	Discussion

GREK112 **Elementary Modern Greek II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GREK111; or permission of instructor. Credit only granted for: FOLA109G or GREK112. Formerly: FOLA109G.

It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	KEY 0119

GREK212 **Intermediate Modern Greek II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GREK211; or permission of instructor. Credit only granted for: FOLA119G or GREK212. Formerly: FOLA119G.

A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MWF 11:00am - 11:50am	MMH 1218

GREK301 **Scenes from Athenian Life**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: GREK301 or GREK351. Formerly: GREK351.

Makes the transition from study of Greek grammar to reading. Focus on selected aspects of life in Athens: marriage, friendship, the courts, festival, theatre. Reading short works by three authors: Lysias, Plato, and a playwright (e.g., Menander). Readings are in ancient Greek.

0101	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 15) WDS 1131

GREK399 **Topics in Advanced Modern Greek Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of communicative skills in advanced Modern Greek. Topics will be drawn from the social and folk life of modern Greece.

0101	Polyvia Parara MWF 10:00am - 10:50am	Seats (Total: 25) MMH 1218

GREK415 **Homer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-Classics department.

Extensive readings in Greek from the Iliad or the Odyssey, with special attention to the features of Homeric style and the relationship between the two epics.

0101	Lillian Doherty Tu 5:00pm - 7:40pm	Seats (Total: 10) MMH 1218

GREK499 **Independent Study in Greek Language and Literature**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

GREK604 **Homer**

Credits: 3 Grading Method: Regular, Audit

The extensive and intensive reading of Homer, with concentration on one of his two epics. Discussion of the language, artistic qualities, and thought of the poems, and of modern views concerning their orgin and literary qualities.

0101	Lillian Doherty Tu 5:00pm - 7:40pm	Seats (Total: 15) MMH 1218	

GREK699 **Independent Study in Greek Literature**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GVPT Government and Politics Spring 2015

GVPT100 **Scope and Methods for Political Science Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSSP

An introduction to empirical research in political science.

0101	William Reed MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 EDU 1315	Discussion
0102	Instructor: TBA MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SKN 0104	Discussion
0103	Instructor: TBA MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 EDU 0114	Discussion
0104	Instructor: TBA MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 KEY 0103	Discussion
0105	William Reed MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 JMZ 0118	Discussion

0106	William Reed MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 ASY 3203	Discussion
0201	William Reed MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 SYM 0209	Discussion
0202	William Reed MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MMH 0108	Discussion
0203	William Reed MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 WDS 1114	Discussion
0204	William Reed MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 2108	Discussion
0205	William Reed MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0125	Discussion
0206	William Reed MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 KEY 0120	Discussion

GVPT101 **Introduction to Political Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

A study of the basic principles and concepts of political science.

0101	Karol Soltan TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2106 EDU 3236	Discussion
0102	Karol Soltan TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 EDU 0114	Discussion

0103	Karol Soltan TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 ASY 3219	Discussion

GVPT170 **American Government**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

A comprehensive study of national government in the United States.

0101	Patrick Wohlfarth MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 0111	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 1117	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 JMZ 3205	Discussion
0104	Patrick Wohlfarth MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 LEF 2208	Discussion
0105	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 BPS 1232	Discussion
0106	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1119	Discussion
0107	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 HBK 0123	Discussion
0108	Patrick Wohlfarth MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 MMH 3418	Discussion

0109	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 KEY 0103	Discussion

GVPT200 **International Political Relations**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP

Prerequisite: GVPT100.

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Todd Allee MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 BPS 1238	Discussion
0102	Todd Allee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 BPS 1234	Discussion
0103	Todd Allee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 3236	Discussion
0104	Todd Allee MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 EDU 1121	Discussion
0105	Todd Allee MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 2109	Discussion
0106	Todd Allee MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 0212	Discussion
0107	Instructor: TBA MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 KEY 0103	Discussion

0108	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 HBK 0109	Discussion
0109	Instructor: TBA MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SQH 1119	Discussion

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170.

An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	Piotr Swistak Th 2:00pm - 4:45pm	Seats (Total: 30) TYD 2109

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Government & Politics program.

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 SKN 1115	Discussion
0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 BPS 1238	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0130 LEF 1220	Discussion

0104	James Glass MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TYD 0130 HBK 0103	Discussion
0105	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 ARM 0119	Discussion
0106	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0130 EDU 3233	Discussion
0107	Instructor: TBA MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0130 JMZ 2117	Discussion
0108	Instructor: TBA MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0130 PLS 1168	Discussion

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258D **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258J **Introduction to Political Science Topics in Study Abroad; Comparative Foreign Policy_Haifa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258N **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258Q **Introduction to Political Science Topics in Study Abroad; Latin American Social Revolutions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258R **Introduction to Political Science Topics in Study Abroad; Peace & Conflict Honors Seminar II: Regional Conflicts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT273 **Introduction to Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

0101	Jennifer Hadden TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 BPS 1236	 Discussion
0102	Jennifer Hadden TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 HBK 0109	 Discussion
0103	Jennifer Hadden TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 JMZ 0125	 Discussion

GVPT280 **Comparative Politics and Governments**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT100.

An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

Contact department for information to register for this course.

GVPT289A **Special Topics in Government and Politics; Appetite for Change: Politics and The Globalization of Food**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

0101	Virginia Haufler MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 LEF 1221	 Discussion
0102	Virginia Haufler MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 LEF 1221	 Discussion
0103	Virginia Haufler MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 LEF 1222	 Discussion

0104	Instructor: TBA MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0105	Instructor: TBA MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0106	Instructor: TBA MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 LEF 1221	Discussion

GVPT289B **Special Topics in Government and Politics; Globalization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289E **Special Topics in Government and Politics; Economy and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289G **Special Topics in Government and Politics; Global Perspectives on Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289L **Special Topics in Government and Politics; Religions, Beliefs, and World Affairs**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP, SCIS

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 TYD 2102	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 SQH 2119	Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 SKN 1115	Discussion
0104	John McCauley MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0220 TYD 1114	Discussion
0105	John McCauley MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 EDU 2119	Discussion
0106	John McCauley MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 KEY 0123	Discussion

GVPT289P **Special Topics in Government and Politics; Citizenship and Ethics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289T **Special Topics in Government and Politics; Issues and Controversies in 21st Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289X **Special Topics in Government and Politics; Introduction to the European Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289Y **Special Topics in Government and Politics; Theories of Peace and Conflict**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT306 **Global Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

0101	Carla Abdo	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 1102

GVPT309H **Topics in International Relations; British Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309I **Topics in International Relations; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search for Common Ground**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT317 **Mock Trial II: Advanced Trial Advocacy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT217. Credit only granted for: GVPT317 or GVPT319B. Formerly: GVPT319B.

Development of trial advocacy skills through participation in practice trials and intercollegiate mock trial competitions. Student may have an opportunity to represent the university in intercollegiate mock trial tournaments, including the National Mock Trial Championships.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 30) TYD 2106	

GVPT331 **Law and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170.

A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Instructor: TBA MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 2108	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 EDU 3315	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 0111	Discussion
0104	Michael Spivey MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
0105	Michael Spivey MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 0102	Discussion
0106	Michael Spivey MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 KEY 0116	Discussion

GVPT339B **Topics in Public Law; Comparative Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in public law.

SG91	Brent Newton	Seats (Total: 20)
	W 6:30pm - 9:00pm	BLD3 4230
	Restricted to CCJS students at Shady Grove.	

GVPT349 **Topics in Political Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political philosophy.

Contact department for information to register for this course.

GVPT349Z **Topics in Political Philosophy; Political Thought**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political philosophy.

Contact department for information to register for this course.

GVPT355 **Capstone in International Conflict Management**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department.

Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international conflict management and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

0101	Instructor: TBA	Seats (Total: 75)
	W 3:30pm - 6:15pm	TYD 0117

GVPT356 **Capstone in International Development**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department.

Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international development and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Stacy Kosko M 2:00pm - 4:45pm	Seats (Total: 40) SQH 2117
0201	Stacy Kosko Th 2:00pm - 4:45pm	Seats (Total: 10) SYM 3320

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358P **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT359 **Topics in Comparative Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in comparative politics.

Contact department for information to register for this course.

GVPT359Z **Topics in Comparative Politics; Parliament, Politics and Policy Making**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in comparative politics.

Contact department for information to register for this course.

GVPT360 **International Negotiations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200.

A study of the complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

0101	Instructor: TBA M 4:00pm - 5:40pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 SQH 2122	Discussion
0102	Instructor: TBA M 4:00pm - 5:40pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 HBK 0123	Discussion
0103	Instructor: TBA M 4:00pm - 5:40pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0117 KEY 0123	Discussion

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GVPT368I **Special Topics in Government and Politics; Intermediate Geographic Information System for Social Science Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Also offered as GEOG498W and GVPT729D. Credit granted for GVPT368I, GEOG498W, or GVPT729D. Prerequisite: GVPT429A: Geographic Information System for Social Science Research or an introductory Geographical Information System course.

0101	James Gimpel	Seats (Total: 4)	
	M 2:00pm - 4:00pm	LEF 1171	
	W 4:45pm - 6:45pm	LEF 1136	Lab

GVPT368J **Special Topics in Government and Politics; Geographies of Conflict and Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Restriction: Sophomore standing or higher and permission of instructor. Contact dbacker@umd.edu for permission to enroll. A cultivation of knowledge and skills in studying the geographic patterns, trends, and relationships of armed conflict and development assistance around the world. Students will receive training from experts on key theories, information resources, methods and tools, then be involved in direct applications to data development and analysis, working in teams, as part of a major active research project. The expectation is that most students enrolling in the course will continue in paid internship positions during the Summer 2015, then take a follow-up course focusing on generating written and online work products during the Fall 2015 semester.

BL01	David Backer, Paul Huth	Seats (Total: 50)	
	Tu 2:00pm - 4:00pm	VMH 1203	
	Class time/details on ELMs	ONLINE	

GVPT376 **Applied Field Research in Government and Politics**

(Perm req)

Credits: 3-6 Grading Method: Sat-Fail

Prerequisite: GVPT170. Corequisite: GVPT377.

Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

GVPT majors only and departmental permission to register.

0101	Gilbert Nunez	Seats (Total: 40)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170. Corequisite: GVPT376.

The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

GVPT majors only and must have departmental permission to register.

0101	Gilbert Nunez	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 0101

GVPT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

GVPT majors only and must have departmental permission to register.

0101	Michael Parrott M 6:30pm - 9:15pm	Seats (Total: 40) TYD 1132

GVPT388M **Topical Investigations; Mock Trial Independent Study**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail

Independent research and writing on selected topics in government and politics.

Prerequisite: Permission of department.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 15) TYD 2108

GVPT388P **Topical Investigations; Maryland Internship Program**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Must have departmental permission to register.

0101	Raymond Williams M 6:00pm - 8:45pm	Seats (Total: 25) TYD 2110

GVPT389 **Experiential Learning II**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail, Audit

Experiential credit for working in government & politics related internships, research, and teaching opportunities.

Junior standing.

Contact department for information to register for this course.

GVPT390 **Game Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, CMSC474 or ECON414. Formerly: GVPT399A.

Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.

0101	Piotr Swistak	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	TYD 1101

GVPT396 **Introduction to Honors Research**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program.

A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program.

Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399G **Seminar in Government and Politics; Israel Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Also offered as ISRL448A. Credit will be granted for GVPT399G or ISRL448A. An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israel's history. Some previous knowledge of Israeli politics desirable.

0101	Yoram Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	SQH 2121

GVPT399I **Seminar in Government and Politics; Globilization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Formerly: GVPT399U.

Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Modern British Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399K **Seminar in Government and Politics; Structure and Process in International Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399M **Seminar in Government and Politics; Policy Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Parliament Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399P **Seminar in Government and Politics; Foreign Policy Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Security and Defense Policy in the European Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399R **Seminar in Government and Politics; Modern American Government**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399T **Seminar in Government and Politics; Democracy and Government Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399V **Seminar in Government and Politics; Political Economy of China and Japan**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399W **Seminar in Government and Politics; International Economic Organizations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Politics of the Balkan**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399Y **Seminar in Government and Politics; Political Economy of Sustainable Development**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399Z **Seminar in Government and Politics; International Security**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT402 **International Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher.

A study of the basic character, general principles and specific rules of international law, with emphasis on recent and contemporary trends in the field and its relation to other aspects of international affairs.

Contact department for information to register for this course.

GVPT406 **International Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher.

A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas.

Contact department for information to register for this course.

GVPT409H **Seminar in International Relations and World Politics; International Relations of East Asia**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government & Politics Honors program.

0101	Scott Kastner	Seats (Total: 20)
	M 2:00pm - 4:45pm	TYD 1118

GVPT409Q **Seminar in International Relations and World Politics; Globalization and the Future of Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Mark Shirk	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3215

GVPT409T **Seminar in International Relations and World Politics; Political Economy of the Middle East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT409V **Seminar in International Relations and World Politics; Game Theory and International Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT409X **Seminar in International Relations and World Politics; Arms Control in the Nuclear Realm**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT409Y **Seminar in International Relations and World Politics; Arab-Israeli Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT409Z **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

Contact department for information to register for this course.

GVPT423 **Elections and Electoral Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.

An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	Eric Uslaner MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 2111	
0201	James Gimpel W 2:00pm - 4:45pm	Seats (Total: 30) TYD 2106	

GVPT432 **Civil Rights and the Constitution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT331. Restriction: Must be in Government & Politics program.

A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants.

0101	Michael Spivey MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0117 TYD 1108	 Discussion
0102	Michael Spivey MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 PLS 1113	 Discussion
0103	Michael Spivey MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 TYD 1108	 Discussion

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GVPT439A **Seminar in Public Law; Comparative Constitutional Law**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in public law. Both substantiv issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Karol Soltan	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	LEF 1201

GVPT441 **History of Political Theory: Ancient and Medieval**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241. Restriction: Must be in Government & Politics program; and junior standing or higher.

A survey of the principal political theories set forth in the works of writers before Machiavelli.

0101	Charles Alford	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 1108

GVPT442 **History of Political Theory--Medieval to Recent**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241. Restriction: Must be in Government & Politics program.

A survey of the principal theories set forth in the works of writers from Machiavelli to Nietzsche.

Contact department for information to register for this course.

GVPT449C **Seminar in Political Philosophy; Democratic Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT241. Restriction: Must be in the Government and Politics program.

0101	Ian Ward	Seats (Total: 30)
	M 2:00pm - 4:45pm	TYD 1102

GVPT449D **Seminar in Political Philosophy; Social Criticism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT241. Restriction: Must be in the Government and Politics program.

0101	Ian Ward	Seats (Total: 30)
	W 2:00pm - 4:45pm	TYD 1132

GVPT449K **Seminar in Political Philosophy; Politics Through Popular Fiction and Short Stories**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Charles Alford	Seats (Total: 30)
	Tu 4:00pm - 6:45pm	TYD 1132

GVPT449X **Seminar in Political Philosophy; Ethics & Global Policy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT457 **American Foreign Relations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher.

The principles and machinery of the conduct of American foreign relations, with emphasis on the Departments of State and Defense, and an analysis of the major foreign policies of the United States.

Contact department for information to register for this course.

GVPT458C **Special Topics in Study Abroad IV; Politics, War and Economics in the Age of Globalization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT458F **Special Topics in Study Abroad IV; Integration, Conflict and Security in Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT458K **Special Topics in Study Abroad IV; Themes and Issues in Transatlantic Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT458O **Special Topics in Study Abroad IV; Global Issues in Environmental Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT458X **Special Topics in Study Abroad IV; European Legal Traditions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT458Z **Special Topics in Study Abroad IV; Contemporary Germany in European Perspective**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GVPT459D **Seminar in Comparative Politics; Politics of the Developing World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Joel Simmons	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1101

GVPT459F **Seminar in Comparative Politics; Comparing Communism and Facism: Totalitarianism and Political Religions**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Must be in the Government and Politics Honors Program.

0101	Vladimir Tismaneanu	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	TYD 1114

GVPT459X **Seminar in Comparative Politics; Dictators, Dictatorships & Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	Th 2:00pm - 4:45pm	TYD 1114

GVPT474 **Political Parties**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.

A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

0101	Instructor: TBA MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 JMZ 0205	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 TYD 1102	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 EDU 1121	Discussion
SG91	Samantha Davis W 3:30pm - 6:00pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 3240	

GVPT475 **The Presidency and the Executive Branch**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher.

An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion.

0101	David Karol MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 1101

GVPT479C **Seminar in American Politics; Public Opinion and Citizen Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT170. Restriction: Must be in the Government and Politics Program.

0101	Brian McKenzie M 4:45pm - 7:15pm	Seats (Total: 30) TYD 1108

GVPT479D **Seminar in American Politics; Minority Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Stella Rouse TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1102

GVPT479H **Seminar in American Politics; Polarization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: Must be in Goverment and Politics Honors Program.

0101	Eric Uslaner M 3:30pm - 6:15pm	Seats (Total: 20) TYD 0101

GVPT479R **Seminar in American Politics; Religion and US Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Brian McKenzie M 2:00pm - 4:30pm	Seats (Total: 30) TYD 1108

GVPT479Y **Seminar in American Politics; Political Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in the Government and Politics program.

0101	Antoine Banks	Seats (Total: 30)
	W 3:00pm - 5:30pm	EDU 3233

GVPT481 **Government and Administration of Russia and the States of the Former Soviet Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program.

A comparative study of the governmental systems and political processes of the states of the former Soviet Union.

Contact department for information to register for this course.

GVPT485 **Government and Politics of the Middle East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program.

A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries.

Contact department for information to register for this course.

GVPT487 **Government and Politics of China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Recommended: GVPT280; or GVPT282. Restriction: Must be in Government & Politics program; and junior standing or higher. Credit only granted for: GVPT359A or GVPT487. Formerly: GVPT359A.

Discussion of major issues in the study of the domestic politics of the People's Republic of China.

0101	Margaret Pearson TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 0102

GVPT599 **Teaching Political Science**

Credits: 1 Grading Method: Regular, Audit

Problems in teaching political science. Topics covered include lecture and discussion strategies, creation of an active learning environment, construction and evaluation of examinations, department and university policies, and dealing with various types of teaching problems. This course does not carry credit towards any degree at the University.

0101	Kathleen Cunningham Contact instructor or department for details.	Seats (Total: 10)

GVPT722 **Advanced Quantitative Methods For Political Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GVPT622; or permission of instructor.

Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

0101	William Reed Th 11:00am - 1:45pm	Seats (Total: 10) Location: TBA
0201	David Cunningham Th 11:00am - 1:45pm	Seats (Total: 10) LEF 0231

GVPT729C **Special Topics in Quantitative Political Analysis; Empirical Political Economics**

Credits: 3 Grading Method: Regular, Audit

An intensive examination of special topics in quantitative methods of political analysis in such areas as survey research methods, exploratory data analysis, advanced data management techniques, or advanced methods of policy analysis.

0101	Ethan Kaplan MW 11:00am - 12:15pm	Seats (Total: 20) BPS 0283

GVPT729D **Special Topics in Quantitative Political Analysis; GIS Analysis for Social Science Research**

Credits: 3 Grading Method: Regular, Audit

An intensive examination of special topics in quantitative methods of political analysis in such areas as survey research methods, exploratory data analysis, advanced data management techniques, or advanced methods of policy analysis.

Also offered as GEOG498W and GVPT368I. Credit granted for GVPT368I, GEOG498W, or GVPT729D.

0101	James Gimpel	Seats (Total: 3)	
	M 2:00pm - 4:00pm	LEF 1171	
	W 4:45pm - 6:45pm	LEF 1136	Lab

GVPT742 **Modern Political Theory**

Credits: 3 Grading Method: Regular, Audit

Recommended: GVPT741. Restriction: Permission of BSOS-Government & Politics department.

The influence of the Enlightenment on political thought, beginning with Machiavelli and ending around the time of Mill and Marx, in which the Enlightenment worked itself out in the hopes and fears of these and other authors.

0101	James Glass	Seats (Total: 12)
	W 3:30pm - 6:15pm	TYD 1111

GVPT771 **Seminar in American Political Behavior**

Credits: 3 Grading Method: Regular, Audit

This is the core seminar in American political behavior. The course wil deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

0101	James Gimpel	Seats (Total: 12)
	F 2:00pm - 4:45pm	TYD 1136

GVPT780 **Seminar in the Comparative Study of Politics**

Credits: 3 Grading Method: Regular, Audit

An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

0101	Mark Lichbach Tu 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

GVPT803 **Seminar in International Political Organization**

Credits: 3 Grading Method: Regular, Audit

A study of the forms and functions of various international organizations.

0101	Todd Allee M 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT808A **Selected Topics in Functional Problems in International Relations; Research Seminar on International and Domestic Conflict**

Credits: 3 Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

0101	Paul Huth M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT808C **Selected Topics in Functional Problems in International Relations; Prospectus Seminar in International Relations & Comparative Politics**

Credits: 3 Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

0101	Kanisha Bond M 3:30pm - 6:15pm	Seats (Total: 6) TYD 1136
0201	Patrick Wohlfarth M 3:30pm - 6:15pm	Seats (Total: 6) Location: TBA

GVPT828B **Selected Problems in Political Behavior; Race and Ethnic Politics**

Credits: 3 Grading Method: Regular, Audit

Individual reading and research reports on selected problems in the study of political behavior.

0101	Antoine Banks	Seats (Total: 12)
	M 12:30pm - 3:15pm	TYD 1136

GVPT849 **Readings in Government and Politics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Guided readings and discussions on selected topics in political science

Contact department for information to register for this course.

GVPT878D **Problems in American Government and Politics; Voting and Participation**

Credits: 3 Grading Method: Regular, Audit

An examination of contemporary problems in various fields of government and politics in the United States, with reports on topics assigned for individual study.

0101	Michael Hanmer	Seats (Total: 12)
	Tu 12:30pm - 3:15pm	TYD 1111

GVPT884 **Field Methods in Comparative Politics**

Credits: 3 Grading Method: Regular, Audit

A practical designed for graduate students interested in field research. Research design, case selection, developing surveys and experiments, analysis of original data, and some qualitative methods will be emphasized, with the aim that students develop the practical skills to conduct their own field research.

0101	John McCauley	Seats (Total: 12)
	W 3:30pm - 6:15pm	TYD 1136

GVPT888C **Selected Topics in Comparative Governmental Institutions; Comparative Political Economy**

Credits: 3 Grading Method: Regular, Audit

An examination of special topics in comparative politics.

0101	Joel Simmons	Seats (Total: 12)
	W 12:30pm - 3:15pm	TYD 1111

GVPT889M **Selected Topics in Area Problems in International Relations; The Making of American Policy in the Middle East**

Credits: 3 Grading Method: Regular, Audit

Special topics concerning regional problems in the relations of states.

0101	Shibley Telhami	Seats (Total: 12)
	M 6:30pm - 9:15pm	Location: TBA
	The class will meet in Chincoteague Room 1101.	

GVPT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

HACS ACES-Cybersecurity Spring 2015

HACS102 **Foundations in Cybersecurity II**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: HACS100. Restriction: Must be a student in the ACES Honors program.

Second interdisciplinary foundational course of the ACES program. Through lectures and project work, students will learn and practice cybersecurity. Students will work in teams to develop a honeypot project, and work on this project throughout the course. Weekly lectures will supplement project work, focusing on types of computer attacks and protections, data collection and analysis, and other foundational cybersecurity concepts.

0101	Jandelyn Plane, Michel Cukier, Bertrand Sobesto	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PFR 1111

0201	Jandelyn Plane, Bertrand Sobesto, Michel Cukier TuTh 3:30pm - 4:45pm	Seats (Total: 35) PFR 1111

HACS208E **Seminar in Cybersecurity; Introduction to Reverse Engineering**

Credits: 3 Grading Method: Regular

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

0101	Instructor: TBA W 4:00pm - 6:45pm	Seats (Total: 20) PFR 0103

HACS208P **Seminar in Cybersecurity; Beyond Technology, the Policy Implications of Cyberspace**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

0101	William Nolte Th 4:15pm - 7:00pm	Seats (Total: 20) VMH 1107

HACS279 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 6)
0201	Jandelyn Plane Contact instructor or department for details.	Seats (Total: 5)
0301	Gang Qu Contact instructor or department for details.	Seats (Total: 2)

0401	Jonathan Katz Contact instructor or department for details.	Seats (Total: 5)

HACS287 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be in the UGST-HCOL-ACES Cybersecurity Program.

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 5)
0201	Dana Dachman-Soled Contact instructor or department for details.	Seats (Total: 5)
0301	Tudor Dumitras Contact instructor or department for details.	Seats (Total: 5)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0501	Katherine Izsak Contact instructor or department for details.	Seats (Total: 5)
0601	James Purtilo Contact instructor or department for details.	Seats (Total: 5)

HACS297 **Cybersecurity Experience Reflection**

Credits: 3 Grading Method: Regular

Restriction: Must be in Honors College ACES I program.

Cybersecurity experience is defined as an experiential learning activity either with a University of Maryland entity (such as the Division of Information Technology, the ACES competition team or in an ACES outreach program), or with an external organization that will provide valuable, hands-on experience to supplement the knowledge learned in the other ACES coursework.

0101	Jandelyn Plane W 7:00pm - 9:45pm	Seats (Total: 20) PFR 1111

HACS479 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 5)
0201	James Purtilo Contact instructor or department for details.	Seats (Total: 5)
0301	Dana Dachman-Soled Contact instructor or department for details.	Seats (Total: 5)
0401	Tudor Dumitras Contact instructor or department for details.	Seats (Total: 5)

HDCC Digital Cultures and Creativity Spring 2015

HDCC106 **Introduction to Digital and Creativity II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.

Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

0101	Hasan Elahi M 4:00pm - 6:30pm	Seats (Total: 12) PRF 1111
0201	Krista Caballero Tu 4:00pm - 6:30pm	Seats (Total: 12) PFR 0111
0301	Instructor: TBA W 4:00pm - 6:30pm	Seats (Total: 12) TLF 0135
0401	Evan Golub TuTh 2:00pm - 3:15pm	Seats (Total: 12) CSI 2118

0501	Jason Farman TuTh 3:00pm - 4:15pm	Seats (Total: 12) PFR 0111

HDCC209A **Practicum in Digital Cultures and Creativity**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Practicum in Digital Cultures and Creativity in which students will develop their program capstone projects under the supervision of a faculty mentor, with regular checkpoints and presentations to track progress.

0101	Jarah Moesch Tu 4:30pm - 6:15pm	Seats (Total: 17) PFR 0111

HDCC209B **Practicum in Digital Cultures and Creativity**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Practicum in Digital Cultures and Creativity in which students will develop their program capstone projects under the supervision of a faculty mentor, with regular checkpoints and presentations to track progress.

0101	Krista Caballero W 3:30pm - 5:15pm	Seats (Total: 17) PFR 0111

HDCC209C **Practicum in Digital Cultures and Creativity**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Practicum in Digital Cultures and Creativity in which students will develop their program capstone projects under the supervision of a faculty mentor, with regular checkpoints and presentations to track progress.

0101	Joseph Meyer Th 4:30pm - 6:15pm	Seats (Total: 17) PFR 0111

HDCC209D **Practicum in Digital Cultures and Creativity**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Practicum in Digital Cultures and Creativity in which students will develop their program capstone projects under the supervision of a faculty mentor, with regular checkpoints and presentations to track progress.

0101	Instructor: TBA	Seats (Total: 17)
	M 2:00pm - 3:45pm	PFR 0111

HDCC379 **Digital Cultures and Creativity Independent Study**

Credits: 1-3 Grading Method: Regular

Involves research and/or creative scholarship directed by individual DCC faculty outside of the formal classroom structure.

0101	Krista Caballero	Seats (Total: 5)
	Contact instructor or department for details.	

HEBR Hebrew Spring 2015

For other courses, see JWST - Jewish Studies.

HEBR112 **Elementary Hebrew II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HEBR111; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR103; and must not have completed HEBR104. Credit only granted for: (HEBR103 and HEBR104) or HEBR112.

Continuation of HEBR 111.

0101	Avital Feuer, Aharona Gazit-Rosenthal	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 0120
	TuTh 9:30am - 10:45am	JMZ 2207

HEBR212 **Intermediate Hebrew II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: HEBR211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed HEBR203; and must not have completed HEBR204. Credit only granted for: (HEBR203 and HEBR204) or HEBR212.

Continuation of HEBR211.

0101	Aharona Gazit-Rosenthal MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1224

HEBR298O **Special Topics in Jewish Studies; Jewish Languages in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as JWST219O. Credit granted for JWST219O or HEBR298O. Students will explore the history and current use of a variety of languages and dialects in the American Jewish community. They will analyze how language affects identity and the relationships to the majority group, as well as within the cultural group.

0101	Avital Feuer MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) ONLINE EDU 2119

HEBR314 **Conversation and Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: HEBR313; or students who have taken courses with comparable content may contact the department.

A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Aharona Gazit-Rosenthal Class time/details on ELMs	Seats (Total: 20) ONLINE

HEBR369A **Special Topics in Study Abroad III; Hebrew Lower Advanced**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HEBR369B **Special Topics in Study Abroad III; Hebrew Lower Advanced**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HEBR369C **Special Topics in Study Abroad III; Hebrew Upper Advanced**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HEBR369D **Special Topics in Study Abroad III; Hebrew Upper Intermediate**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HEBR381 **Introduction to Hebrew Cultural Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HEBR314; or permission of instructor. Also offered as: JWST381. Credit only granted for: HEBR381 or JWST381.

Critical study of Israeli culture with emphasis on literature, film, and art as sites of struggle over political and social meaning during times of cultural transformation. Focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

Contact department for information to register for this course.

HEBR386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR498K **Special Topics in Hebrew; Blasting the Boundaries of the Israeli Canon**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HEBR313 or permission of department. Readings are in Hebrew. Taught in English. Also offered as JWST478B and ISRL448K. Credit granted for JWST478B, ISRL448K, or HEBR498K. The production of Hebrew literature has long been tied to the forging of a new Jewish national and, ultimately, Israeli identity. Because of the demands put on literature, it has been the site of intense debates about the relationship between form, content, and the national project We will trace this debate from its inception up to the present day, examining literary works, their reception, and their re-evaluations, and will analyze how debates about the inclusion of literary works in the Israeli canon reflect changes within Israeli culture itself.

0101	Shirelle Doughty TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 1123

HEBR499 **Independent Study in Hebrew**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Spring 2015

HEIP144 **Contemporary Issues in Entrepreneurship and Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HEIP143. Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).

Inspires entrepreneurial innovation and creativity through interactive lectures, workshops, and case studies on contemporary issues to include energy, life sciences, healthcare, and technology. Explores entrepreneurial innovation sources, structures and dynamics. Helps students develop skills for generating ideas and addressing current issues and problems.

Class meets in the LaPlata Hall - multi-purpose room.

0101	Jay Smith TuTh 11:00am - 12:15pm	Seats (Total: 38) LPA 0100
0201	Jay Smith TuTh 2:00pm - 3:15pm	Seats (Total: 32) LPA 0100
0301	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 36) LPA 0100

HEIP241 **EIP Capstone: Creating Enterprise with Social Impact**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).

Addresses the global necessity to develop and implement solutions to critical social and environmental concerns in ways that are both technologically viable and economically sustainable. Through group exercises, guest speakers, discussions, and experiential learning activities, students will develop the skills to create businesses that achieve the double bottom line of both profitability and social benefit.

0101	Annette Stanley, Jay Smith MW 5:00pm - 5:50pm	Seats (Total: 32) LPA 1125
0301	Annette Stanley, Jay Smith MW 3:00pm - 3:50pm	Seats (Total: 36) LPA 0100

HESI Higher Ed, Student Affairs, and International Ed Policy Spring 2015

HESI217 **Introduction to Student Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Freshman standing; or sophomore standing. Credit only granted for: HESI217 or EDCP217. Formerly: EDCP217.

Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.

Students must pay a $32.00 materials fee.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 25) ARC 1103
0201	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 1313
0301	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 25) EDU 3315
0401	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 25) OAK 0318

0501	Daniel Vivas MW 9:00am - 10:15am	Seats (Total: 20) SQH 1121
0601	Daniel Vivas MW 10:30am - 11:45am	Seats (Total: 25) SQH 1121

HESI315 **Student Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: HESI217. Credit only granted for: HESI315 or EDCP315. Formerly: EDCP315.

Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

Students must pay a $15.00 materials fee.

0101	Instructor: TBA MW 12:30pm - 1:45pm *Restricted to students who have completed EDCP 217 or who have been admitted to the Leadership Studies Program. Email leadershipstudies@umd.edu for permission to enroll.*	Seats (Total: 15) EDU 0114
0201	Instructor: TBA TuTh 2:00pm - 3:15pm *This section is restricted to students who have completed EDCP217 or who have been admitted to the Leadership Studies Program. Email leadershipstudies@umd.edu for permission to enroll.*	Seats (Total: 15) LEF 1201
0301	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 25) LEF 1201
0401	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 25) TYD 0111

HESI318A **Applied Contextual Leadership; Leadership and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

SG91	Instructor: TBA	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	This course is limited to CCJS students at Shady Grove. Class will meet face-to-face on Feb. 3, Mar. 24, and May 12 from 5:00pm - 6:15pm in BLD3 3206.	

HESI318E **Applied Contextual Leadership; Leadership for Peer Assisted Learning**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Restricted to students selected to participate as Peer Mentors with the Learning Assistance Service of the Counseling Center.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	ASY 3203

HESI318G **Applied Contextual Leadership; Greek Presidents Class**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Course restricted to Fraternity and Sorority Presidents. For permission, please contact Corin Gioia Edwards at cgioia@umd.edu

0101	Instructor: TBA	Seats (Total: 55)
	W 3:30pm - 6:30pm	KEY 1117

HESI318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Restricted to students selected to participate in the Guided Study Session program through the Learning Assistance Serve of the Counseling Center.

0101	Yanira Ortiz W 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 10) KEY 0119
0201	Yanira Ortiz Th 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 20) KEY 0120

HESI318O **Applied Contextual Leadership; Orientation Leader**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Prerequisite: permission of department.

0101	Instructor: TBA W 6:00pm - 8:30pm	Seats (Total: 25) COL 0101

HESI318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Required course to become an Adventure Trip Leader for the Maryland Adventure Program. Contact Amanda Even to arrange an interview: ameven@umd.edu. This is a leadership training course for individuals who are interested in leading groups in an outdoor adventure setting. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Instructor: TBA W 6:00pm - 9:00pm	Seats (Total: 15) ERC 0140

HESI417 **Advanced Leadership Seminar**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESI217; or students who have taken courses with comparable content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDCP417 or HESI417.

Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.

Prerequisite: EDCI217 or EDCP315. Permission of instructor.

0101	Instructor: TBA F 9:00am - 11:45am	Seats (Total: 20) EDU 0202

HESI418B **Special Topics in Leadership; Black Student Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 2101

HESI418F **Special Topics in Leadership; Jewish Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

0101	Instructor: TBA Th 2:00pm - 4:45pm	Seats (Total: 35) TYD 1101

HESI418G **Special Topics in Leadership; Women's Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 2:00pm - 5:00pm	JMZ 0205

HESI418J **Special Topics in Leadership; Now What? Composing a Life of Meaning and Purpose**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

Meets Tuesdays, 2:00-4:45pm in the Margaret Brent Room in Stamp. Designed for juniors and seniors who have actively participated in community service-learning, leadership, and civic engagement. Class members will have the opportunity to reflect deeply on their experiences, to study and practice modes of civic action, and to develop their future plans as civically engaged citizens, scholars, and leaders. To join this active learning community, send a paragraph explaining why you wish to take this course and a one-page statement or resume that indicates your experience and coursework in leadership; service-learning, and civic engagement to the instructor, Dr. Barbara Jacoby, bjacoby@umd.edu.

0101	Instructor: TBA	Seats (Total: 15)
	Tu 2:00pm - 4:45pm	Location: TBA

HESI418K **Special Topics in Leadership; Leadership and Intersecting Identities: Stories of the Multi racial/ethnic/cultural Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

Students will be offered the opportunity to explore leadership in connection with multi racial ethnic/cultural identities and/experiences utilizing an interdisciplinary narrative approach (i.e. storytelling). Topics will include: leadership theories & styles, interracial/cultural relationships, transracial & transnational adoption, the multi family, media representations of multi individuals and families, the multiracial movement & academia, the history of racialization in the U.S., racial identity development, processes of "othering," acceptance and the politics of claiming, and passing & accenting.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ASY 3221

HESI418M **Special Topics in Leadership; Applications of Identity on Leadership for Social Change**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

Students will examine how aspects of identity impact leadership for social change. The class explores strategies for creating positive change while considering the complex dynamics of addressing systems of power, privilege, and oppression. A learning lab component is included in which students will participate in various projects and experiences including attending the Mosaic Diversity and Leadership Retreat or comparable experience.

0101	Yvette Lerma, Dave Dessauer **Meets February 24, 2015 - May 12, 2015** TuTh 3:00pm - 4:50pm Contact instructor or department for details.	Seats (Total: 20) ARM 0120	

HESI470 **Introduction to Student Personnel**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDCP470 or HESI470. Formerly: EDCP470.

A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc.

Please contact Angela Jackson to get permission; ajackso6@umd.edu.

0101	Angela Jackson M 4:00pm - 5:15pm Tu 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0102	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 OAK 0315	Discussion
0103	Instructor: TBA M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion

0104	Angela Jackson M 4:00pm - 5:15pm Tu 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 PFR 1105	Discussion
0105	Angela Jackson M 4:00pm - 5:15pm W 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0106	Angela Jackson M 4:00pm - 5:15pm W 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 CCC 1200	Discussion
0107	Angela Jackson M 4:00pm - 5:15pm W 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion
0108	Angela Jackson M 4:00pm - 5:15pm Th 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0109	Angela Jackson M 4:00pm - 5:15pm Th 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 CCC 1115	Discussion
0201	Angela Jackson M 5:30pm - 6:45pm Tu 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0202	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 OAK 0315	Discussion
0203	Instructor: TBA M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 ANN 1108A	Discussion
0204	Angela Jackson M 5:30pm - 6:45pm Tu 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 PFR 1105	Discussion

0205	Angela Jackson M 5:30pm - 6:45pm W 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0206	Angela Jackson M 5:30pm - 6:45pm W 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 CCC 1200	Discussion
0207	Angela Jackson M 5:30pm - 6:45pm W 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 ANN 1108A	Discussion
0208	Angela Jackson M 5:30pm - 6:45pm Th 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0209	Angela Jackson M 5:30pm - 6:45pm Th 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 CCC 1115	Discussion
0301	Angela Jackson Contact instructor or department for details.	Seats (Total: 7)	

HESI489 **Field Experiences in Higher Education, Student Affairs, and International Education Poli**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education and community related activities. Credit not to be granted for experiences accrued prior to registration.

1501	Marsha Guenzler-Stevens Contact instructor or department for details.	Seats (Total: 10)	
7301	Kimberly Griffin Contact instructor or department for details.	Seats (Total: 10)	

HESP Hearing and Speech Sciences Spring 2015

HESP120 **Introduction to Linguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSSP

Additional information: HESP120 is required for HESP majors. HESP majors may not substitute LING200.

An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Anne Flood TuTh 12:30pm - 1:45pm	Seats (Total: 45) TYD 1132
0201	Ilina Stojanovska TuTh 11:00am - 12:15pm	Seats (Total: 45) TYD 2110

HESP202 **Introduction to Hearing and Speech Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to communication sciences and disorders; a survey of th bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 9:30am - 10:45am	Seats (Total: 99) TYD 0117

HESP300 **Introduction to Psycholinguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120.

An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Yi Ting Huang MW 1:00pm - 2:15pm	Seats (Total: 52) KEY 0106

HESP305 **Anatomy and Physiology of the Speech Mechanism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Anatomy, physiology, and neurology of speech mechanism.

0101	Tammatha O'Brien	Seats (Total: 52)
	TuTh 9:30am - 10:45am	SQH 1117

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Sandra Gordon-Salant	Seats (Total: 52)
	TuTh 2:00pm - 3:15pm	LEF 2208

HESP386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and regional universities. Contact department chairman for openings and descriptions of eligible placements.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Participation in a language-based, literacy-rich preschool classroom fo children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching srategies.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Analysis of the normal processes of speech and language development in children.

0101	Yi Ting Huang	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP402 **Language and Phonological Disorders in Children**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP400; or permission of BSOS-Hearing & Speech Sciences department.

Etiology, assessment and treatment of language and phonological disorders in children.

0101	Nan Ratner	Seats (Total: 50)
	MW 2:00pm - 3:15pm	SQH 1119

HESP403 **Introduction to Phonetic Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Sunhee Kim	Seats (Total: 46)
	TuTh 3:30pm - 4:45pm	KEY 1117

HESP404 **Fluency & Voice Disorders**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

0101	Vivian Sisskin, Kathleen Skinker	Seats (Total: 40)
	MW 2:00pm - 3:15pm	LEF 2208

HESP407 **Bases of Hearing Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Matthew Goupell	Seats (Total: 50)
	MW 3:45pm - 5:00pm	LEF 2166

HESP411 **Introduction to Audiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Samira Anderson	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	TYD 2108

HESP418A **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Supervised observation with some direct participation in clinical methods for the treatment of disorders of articulation, fluency, child and adult language; evaluation and habilitation/rehabilitation of hearing impaired children and adults.

For majors only.

0101	Sharon Palmer	Seats (Total: 10)
	W 12:00pm - 12:50pm	LEF 0111D
	Contact instructor or department for details.	

HESP418B **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Supervised observation with some direct participation in clinical methods for the treatment of disorders of articulation, fluency, child and adult language; evaluation and habilitation/rehabilitation of hearing impaired children and adults.

For majors only.

0101	Vivian Sisskin	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

HESP422 **Neurological Bases of Human Communication**

Credits: 3 Grading Method: Regular

Prerequisite: HESP305; or permission of instructor. Credit only granted for: HESP498 or HESP422.

Basic neurology as it pertains to anatomy and physiology substrates of speech and language.

0101	Yasmeen Shah	Seats (Total: 10)
	Tu 1:00pm - 3:30pm	LEF 2166

HESP469 **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results develop and defend final written document.

Contact department for information to register for this course.

HESP498 **Seminar**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in human communication and its disorders.

Contact department for information to register for this course.

HESP498B **Seminar; Augmentative and Alternative Communication**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics in human communication and its disorders.

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Also offered as HESP627. Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication.

0101	Tonya Williams Walker	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	KEY 0124

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP499H **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP602 **Neurological Bases of Human Communication**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Hearing & Speech Sciences department.

Basic neurology as it pertains to anatomical and physiological substrates of speech and language.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 30) LEF 2166

HESP610 **Aphasia**

Credits: 3 Grading Method: Regular, Audit

Language problems of adults associated with brain injury.

0101	Yasmeen Shah Tu 9:30am - 12:00pm	Seats (Total: 30) LEF 0135

HESP620 **Phonological and Articulatory Disorders**

Credits: 3 Grading Method: Regular, Audit

Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

0101	Colleen Worthington Th 9:30am - 12:00pm	Seats (Total: 25) LEF 0135

HESP627 **Augmentative and Alternative Communication**

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627.

Principles, methods, and procedures for categorizing, understanding, an developing augmentative and alternative communication.

Also offered as HESP498B.

0101	Tonya Williams Walker Tu 5:00pm - 7:30pm	Seats (Total: 10) KEY 0124

HESP632 **Medical Audiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP311. Corequisite: HESP606.

Overview of auditory pathologies, and their assessment and management in the medical setting.

0101	Carmen Brewer, Kelly King M 5:30pm - 8:00pm	Seats (Total: 15) LEF 0135

HESP638 **Research Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP639D **Special Topics in Hearing and Speech Sciences; Advanced Dysphagia Seminar**

Credits: 1-3 Grading Method: Regular, Audit

Intensive coverage of selected topics of current interest.

0101	Barbara Sonies W 5:00pm - 7:30pm	Seats (Total: 10) LEF 1221

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

(Perm req)

Credits: 1-2 Grading Method: Regular

Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.

1901	Colleen Worthington Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab

2101	Vivian Sisskin Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
2701	Instructor: TBA Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
2801	Eusabia Mont Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
3601	Kristin Slawson Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab
3701	Kathryn Dow-Burger Th 12:00pm - 1:00pm	Seats (Total: 7) LEF 0135	Lab

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

(Perm req)

Credits: 1-2 Grading Method: Regular

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

(Perm req)

Credits: 1-2 Grading Method: Regular

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

Contact department for information to register for this course.

HESP701 **Hearing Aids II**

Credits: 3 Grading Method: Regular

Prerequisite: HESP700. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)) ; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

0101	LaGuinn Sherlock, Margaret McCabe M 3:30pm - 7:30pm	Seats (Total: 10) LEF 1221

HESP706 **Advanced Clinical Audiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP606; or students who have taken courses with comparable content may contact the department.

Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

0101	Samira Anderson W 3:30pm - 6:00pm	Seats (Total: 20) LEF 0135

HESP708 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP724 **Research Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a course in basic statistics.

Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

0101	Matthew Goupell M 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

(Perm req)

Credits: 1-8 Grading Method: Regular

Clinical internship in selected off-campus facilities.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

(Perm req)

Credits: 1-8 Grading Method: Regular

Clinical internship in selected off-campus facilities.

1301	Margaret McCabe TBA Contact instructor or department for details.	Seats (Total: 10) LEF 0135

HESP730 **Vestibular-ocular Assessment and Management (Electrophysiologic Measures II)**

Credits: 3 Grading Method: Regular

Prerequisite: HESP630.

Advanced principles and methods of evaluating vestibular-ocular functio using electrophysiologic measures. Includes rehabilitative issues pertaining to balance disorders and advanced electrophysiologic measures of auditory system function.

0101	Christopher Zalewski Th 5:00pm - 7:30pm	Seats (Total: 20) LEF 0135

HESP788 **Graduate Research Externship**

Credits: 1-3 Grading Method: Regular, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HESP818C **Seminar in Language Processing; Seminar in Psycholinguistics**

Credits: 3 Grading Method: Regular

Information processing models of language, relationships among language memory and cognition.

Also offered as PSYC678. Credit granted for PSYC678 or HESP818C.

0101	Robert Slevc	Seats (Total: 20)
	M 2:00pm - 4:30pm	BPS 1234

HESP829 **Clinical Internship Residency**

Credits: 1-9 Grading Method: Regular, Audit

Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

Credits: 2 Grading Method: Regular

First of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves individual study and/or supervised lab work with mentor, preparation of research proposal (including IRB protocol if required), and attendance at Capstone Research Project Workshop.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

Credits: 1-2 Grading Method: Regular

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

Credits: 1-3 Grading Method: Regular

Doctoral candidacy paper research

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

HHUM Honors Humanities Spring 2015

HHUM106 **Honors Humanities: The Arts in Practice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DSSP

Recommended: HHUM105. Restriction: Must be in the Honors Humanities Program. Credit only granted for: ARHU106 or HHUM106. Formerly: ARHU106.

Intensive study of a particular form or category of art (e.g., Southern musical traditions, the graphic novel, one-act plays, the blogosphere, the personal essay)), especially as practiced in or relevant to the campus and metropolitan area. Students produce an instance of this art as their final project for the course.

0101	Christina Walter TuTh 12:30pm - 1:45pm	Seats (Total: 18) TWS 3136
0201	Luka Arsenjuk MW 9:30am - 10:45am	Seats (Total: 18) ANA 0120
0301	Dana Carluccio TuTh 11:00am - 12:15pm	Seats (Total: 18) KEY 0123

HHUM206 **Honors Humanities Research Semester**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: ARHU206 or HHUM206. Formerly: ARHU206.

Independent research and completion of students' chosen Keystone Projec developed during the preceding three semesters in HHUM105, HHUM106 and HHUM205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

0101	Aaron Allen M 11:00am - 11:50am	Seats (Total: 10) ASY 3219
0102	Nancy Stewart Tu 2:00pm - 2:50pm	Seats (Total: 10) ASY 3219

0103	Megan Kuyatt W 2:00pm - 2:50pm	Seats (Total: 10) ASY 3219
0104	Dana Carluccio Th 9:30am - 10:20am	Seats (Total: 10) ASY 3219
0105	Gregory Staley Th 3:30pm - 4:20pm	Seats (Total: 10) ASY 3219
0106	Megan Kuyatt Tu 11:00am - 11:50am	Seats (Total: 10) ARC 1123

HHUM328 **Internship in Honors Humanities**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised service-learning in Honors Humanities.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 8)

HHUM329 **Undergraduate Teaching Assistantship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised pedagogical service-learning in the Honors Humanities curriculum.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HISP Historic Preservation Spring 2015

HISP205 **American Idols? Introducing Historic Preservation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Credit only granted for: HISP205 or HISP100. Formerly: HISP100.

A critical introduction to the history, theory, and current issues of historic preservation in the U.S. Focus will be on four primary questions: What is historic preservation? How is preservation practiced in the U.S.? Why do we preserve, or what are some of the reasons to save parts of the built environment? Who benefits from preservation? Examination of texts, scholarly articles, and contemporary news articles used as basis for discussions about the implications of preservation policy within the plural society of the United States.

0101	Christine Henry Tu 2:00pm - 3:15pm M 10:00am - 11:15am	Seats (Total: 24) TWS 1100 ARC 1103	 Discussion
0102	Christine Henry Tu 2:00pm - 3:15pm M 12:00pm - 1:15pm	Seats (Total: 24) TWS 1100 ARC 1103	 Discussion
0103	Christine Henry Tu 2:00pm - 3:15pm W 10:00am - 11:15am	Seats (Total: 24) TWS 1100 ARC 1125	 Discussion

HISP630 **Preservation Policy and Planning**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619M or HISP630. Formerly: HISP619M.

An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

0101	Constance Ramirez Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1117

HISP635 **Social and Ethnic Issues in Historic Preservation Practice**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP628E or HISP635. Formerly: HISP628E.

This seminar course examines the broader social and ethnic dimensions o historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project.

0101	Instructor: TBA Th 7:00pm - 9:45pm	Seats (Total: 10) ARC 1117

HISP640 **Historic Preservation Law, Advocacy and Public Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619C or HISP640. Formerly: HISP619C.

Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

0101	Frederick Stachura M 7:00pm - 9:45pm	Seats (Total: 15) ARC 1125

HISP660 **Internship in Historic Preservation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.

Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 15)

HISP670 **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619T or HISP670. Formerly: HISP619T.

Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

0101	Dennis Pogue	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1105

HISP679 **Introduction to Measured Drawings for Historic Preservation**

Credits: 3 Grading Method: Regular, Audit

Teaches graphic documentation methodologies for historic buildings, including hand measuring, drafting, preparing a sketch plan, analyzing buildings, and producing finished drawings in ink. Students will analyze building in situ.

Class meets at the Anacostia House.

0101	Donald Linebaugh	Seats (Total: 8)
	W 6:30pm - 9:15pm	Location: TBA

HISP701 **Certificate Portfolio Project**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program.

Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 5)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP710. Formerly: HISP700.

An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Dennis Pogue	Seats (Total: 15)
	Contact instructor or department for details.	

HISP711 **Final Project in Historic Preservation II**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP711. Formerly: HISP700.

An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Dennis Pogue	Seats (Total: 15)
	Contact instructor or department for details.	

HIST History Spring 2015

HIST110 **The Ancient World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	William Burghart	Seats (Total: 20)	
	MW 10:00am - 10:50am M 11:00am - 11:50am	KEY 0106 KEY 0117	Discussion
0102	William Burghart	Seats (Total: 20)	
	MW 10:00am - 10:50am M 1:00pm - 1:50pm	KEY 0106 KEY 0117	Discussion
0103	William Burghart	Seats (Total: 20)	
	MW 10:00am - 10:50am W 9:00am - 9:50am	KEY 0106 KEY 0117	Discussion
0104	William Burghart	Seats (Total: 20)	
	MW 10:00am - 10:50am W 11:00am - 11:50am	KEY 0106 KEY 0117	Discussion

0105	William Burghart MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0106	William Burghart MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	William Burghart MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	William Burghart MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

HIST111 **The Medieval World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DVUP

The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 20) SKN 0200 KEY 0117	Discussion
0102	Instructor: TBA TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) SKN 0200 TYD 2102	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 20) SKN 0200 KEY 0117	Discussion
0104	Instructor: TBA TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) SKN 0200 TYD 2102	Discussion

0105	Instructor: TBA TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 KEY 0117	Discussion
0106	Instructor: TBA TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 KEY 0121	Discussion
0107	Instructor: TBA TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 KEY 0117	Discussion
0108	Instructor: TBA TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 20) SKN 0200 KEY 0117	Discussion

HIST123 **Sub-Saharan Africa Since 1800**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Overviews early mid-19th-century changes in African societies, European conquest and African resistances in the late 19th-century, colonial states and societies, African nationalisms and decolonization and the independence era. Struggles over social, economic, and political changes are emphasized.

0101	Paul Landau MWF 11:00am - 11:50am	Seats (Total: 40) KEY 0103	

HIST136 **Moneyland: Business in American Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, SCIS

Examines the interplay between America's stature as a business society and the public distrust of commerce, big business, and money.

0101	David Sicilia M 11:00am - 11:50am Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion

0102	David Sicilia M 11:00am - 11:50am Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion
0103	David Sicilia M 11:00am - 11:50am Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion
0201	David Sicilia W 11:00am - 11:50am Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion
0202	David Sicilia W 11:00am - 11:50am Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion
0203	David Sicilia W 11:00am - 11:50am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) KEY 1117 ONLINE KEY 0121	Discussion

HIST143 **Power, Ritual, and Society in Western History**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHS, SCIS

Credit only granted for: HIST289F or HIST143. Formerly: HIST289F.

Introduces students to influential works of political thinking, in the Western tradition from classical Antiquity to the present, that treat the relationship between power, ritual, and society. Investigates ritual and its relationships to power, both in reality and the imagination of political thinkers.

0101	Alejandro Caneque MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 1117 KEY 0121	Discussion
0102	Alejandro Caneque MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 1117 KEY 0121	Discussion

0103	Alejandro Caneque MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 1117 KEY 0121	Discussion

HIST189B **Topics in History; Sustainability and History: The Maryland Experience**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Thematic exploration of a topic in history at an introductory level with emphasis on understanding what historians do and how history is relevant in the contemporary world.

Also offered as ENST140. Credit granted for ENST140 or HIST189B.

0101	Instructor: TBA TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 20) KEY 1117 TLF 1103	Discussion
0102	Instructor: TBA TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) KEY 1117 TLF 1103	Discussion
0103	Instructor: TBA TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 1117 TLF 1103	Discussion

HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Richard Bell MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0102	Richard Bell MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0103	Richard Bell MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0104	Richard Bell MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0105	Richard Bell MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0106	Richard Bell MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0107	Richard Bell MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0108	Richard Bell MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion

HIST201 **Interpreting American History: From 1865 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU, DVUP

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Instructor: TBA MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion

0103	Instructor: TBA MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0104	Instructor: TBA MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0105	Instructor: TBA MW 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0106	Instructor: TBA MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0107	Instructor: TBA MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0108	Instructor: TBA MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0201	Michael Ross TuTh 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0202	Michael Ross TuTh 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0203	Michael Ross TuTh 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0204	Michael Ross TuTh 3:00pm - 3:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion

0205	Michael Ross TuTh 3:00pm - 3:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0206	Michael Ross TuTh 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0207	Michael Ross TuTh 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0208	Michael Ross TuTh 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0209	Michael Ross TuTh 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0210	Michael Ross TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0211	Michael Ross TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0212	Michael Ross TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion

HIST208D **Historical Research and Methods Seminar; The Origin of Racism? The Other in Greco-Roman Antiquity**

(Perm req)

Credits: 3 Grading Method: Regular

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

Prerequisite: Permission of department.

0101	Heather Juliussen-Stevenson M 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) KEY 0107
0201	Heather Juliussen-Stevenson Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST208E **Historical Research and Methods Seminar; "Yelling Stop": American Conservatism in the 20th Century**

(Perm req)

Credits: 3 Grading Method: Regular

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

Prerequisite: Permission of department.

0101	Peter Libero M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107
0201	Peter Libero Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST208F **Historical Research and Methods Seminar; Regime Change and Reconstruction in Postwar Europe**

(Perm req)

Credits: 3 Grading Method: Regular

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

Prerequisite: Permission of department.

0101	Rene Staedtler W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) ASY 3217
0201	Rene Staedtler Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) JMZ 2125

HIST208G **Historical Research and Methods Seminar; Popular Culture in the Twentieth Century U.S.**

(Perm req)

Credits: 3 Grading Method: Regular

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

Prerequisite: Permission of department.

0101	Derek Leininger W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107	
0201	Derek Leininger Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107	

HIST211 **Love, Labor, and Citizenship: History of American Women Since 1880**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Also offered as: WMST211. Credit only granted for: HIST211 or WMST211.

An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0102	Robyn Muncy TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0103	Robyn Muncy TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 KEY 0120	 Discussion
0104	Robyn Muncy TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 WDS 1127	 Discussion

HIST219F **Special Topics in History; Imperial China and the World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1103	Discussion

HIST219I **Special Topics in History; Religions of the Ancient Near East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as JWST225 and RELS219A. Credit granted for: JWST225, RELS219A, or HIST219I. Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

0101	Matthew Suriano TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1105

HIST219T **Jewish Texts and Cultures of the Second Temple Period**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE, D

Also offered as JWST 231. Credit granted only for HIST219T or JWST231.

0101	Hayim Lapin TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1103

HIST222 **Immigration and Ethnicity in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH, D General Education: DSHS, DVUP

Also offered as: AAST222. Credit only granted for: AAST222, AAST298A, HIST219L, or HIST222. Formerly: HIST219L.

The history of immigration and the development of diverse populations i the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race, and diversity in American culture.

Also offered as AAST222. Credit granted for AAST222 or HIST222.

0101	Douglas Ishii MW 3:30pm - 4:45pm	Seats (Total: 40) KEY 0126	

HIST225 **Modern Military History, 1815-Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0101	Jon Sumida MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0102	Jon Sumida MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0103	Jon Sumida MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 SYM 0209	Discussion
0104	Jon Sumida MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion

HIST232 **The Historical Development of London**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

Restriction: Permission of Study Abroad Office required. Credit only granted for: GNED288 and HIST232. Formerly: GNED288.

Study Abroad in London, England. The history of London, beginning with its foundation by the Romans, continuing with the city's progressive political and cultural domination of England, the British Isles and the British Empire, and concluding with a look at the city in the 20th century. Students look at London through the eyes of contemporaries and historians while forming their own impressions of the city during course-based walking tours of the city.

Contact department for information to register for this course.

HIST235 **History of Britain 1461 to 1714**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0116

HIST236 **History of Britain 1688 to Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th- and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

0101	Julie Taddeo	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BPS 0283

HIST237 **Russian Civilization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS

An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

0101	Mikhail Dolbilov	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TWS 1100

HIST245 **Reformers, Radicals, and Revolutionaries: The Middle East in the Twentieth Century**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Credit only granted for: HIST219W or HIST245. Formerly: HIST219W.

The 20th century was a period of dramatic changes in the Middle East. Within the global context of the two World Wars and the Cold War, countries in the region struggled with the effects of colonialism and painful processes of decolonization. The course offers a thematic-comparative approach to issues such as social and political reform, nationalism, the colonial experience, independence struggles, models of governance, political violence, and Islamism. Course lectures and the analysis and discussion of primary sources will lead students to understand that the peoples of the Middle East found answers to the challenges posed by Western dominance based on their specific historical, cultural and socio-economic circumstances.

0101	Peter Wien TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TYD 1132	Discussion
0102	Peter Wien TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0103	Peter Wien TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Peter Wien TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 EDU 1315	Discussion

HIST251 **Latin America Since Independence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Introductory survey of the history of Latin America from the era of independence (c. 1810-1825) through the early 1980s. Major themes include independence and sovereignty, postcolonialism and neocolonialism, nation- and state-building, liberalism, citizenship, economic development and modernization, social organization and stratification, race and ethnicity, gender relations, identity politics, reform and revolution, authoritarianism and democratization, and inter-American relations.

Also offered as LASC248R. Credit granted for HIST251 or LASC248R.

0101	Karin Rosemblatt TuTh 11:00am - 12:15pm	Seats (Total: 60) KEY 1117	

HIST255 **African-American History, 1865 - Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS

An introductory course in the African-American experience in the United States from 1865 to the present. Topics include the aftermath of the Civil War on US race relations, the rise of segregation, northern migration, World War I and II, Civil Rights Movements, and the Black Power Movement.

0101	Kelly Quinn M 5:30pm - 8:00pm	Seats (Total: 40) KEY 0103	

HIST266 **The United States in World Affairs**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Edwin Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0102	Edwin Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0103	 Discussion
0103	Edwin Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0104	Edwin Smead MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion

HIST269D **Special Topics in Study Abroad II; Barcelona: the City and its History**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269M **Special Topics in Study Abroad II; History of Modern Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269O **Special Topics in Study Abroad II; Mediterranean Politics and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269Y **Special Topics in Study Abroad II; Rome Republic & Empire**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST283 **History of the Jewish People II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH, D General Education: DSHS, DVUP

Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.

Political, economic, social, and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth-century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community.

Also offered as JWST235. Credit will be granted for HIST283 or JWST235.

0101	Lauren Strauss	Seats (Total: 40)
	M 5:30pm - 8:00pm	KEY 1117

HIST285 **East Asian Civilization II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH, D General Education: DSHS

A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

0101	James Gao TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) TYD 2106 EDU 3233	Discussion
0102	James Gao TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 20) TYD 2106 EDU 3315	Discussion
0103	James Gao TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) TYD 2106 ASY 3215	Discussion
0104	James Gao TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 ASY 3207	Discussion

HIST289N **The Politics of Sexuality in America: A Historical Approach**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHS, DVUP, SCIS

0101	Instructor: TBA MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) TWS 1100 KEY 0123	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) TWS 1100 KEY 0116	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) TWS 1100 KEY 0116	Discussion

HIST289O **Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, SCIS

0101	Anne Rush TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EDU 3315	Discussion
	Explores lawless behavior around the world 1600's to the present. Considers motives for and responses to lawlessness along with its relationship to national sovereignty and international security, human and property rights, and issues of personal freedom, scientific progress, and community survival.		
0102	Anne Rush TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 TYD 0111	Discussion
0103	Anne Rush TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 KEY 0120	Discussion

HIST289R **Pocketbook Politics: A History of American Buying and Selling**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

0101	Katarina Keane TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KEY 0103	Discussion
0102	Katarina Keane TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 KEY 0121	Discussion
0103	Katarina Keane TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) SHM 2102 WDS 1130	Discussion
0104	Katarina Keane TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 KEY 0103	Discussion
0105	Katarina Keane TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TYD 1132	Discussion

0106	Katarina Keane TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 KEY 0121	Discussion
0107	Katarina Keane TuTh 2:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 TLF 1101	Discussion
0108	Katarina Keane TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0103	Discussion
0109	Katarina Keane TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 KEY 0126	Discussion

HIST289T **Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHU, DVUP, SCIS

Also offered as RELS289M. Credit granted for HIST289T or RELS289M.

0101	Hayim Lapin TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 EDU 0206	Discussion
0102	Hayim Lapin TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 EDU 1315	Discussion
0103	Hayim Lapin TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 EDU 0202	Discussion

HIST289X **History and the Politics of American Memory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

0101	Colleen Woods TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 CHE 2136	Discussion
0102	Colleen Woods TuTh 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) LEF 2205 KEY 0126	Discussion
0104	Colleen Woods TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) LEF 2205 TYD 2108	Discussion

HIST299 **Directed Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST307 **The Holocaust of European Jewry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: JWST345. Credit only granted for: HIST307 or JWST345.

Roots of Nazi Jewish policy in the l930's and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	Discussion
0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 TLF 2103	Discussion

0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	 Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion

HIST319N **Special Topics in History; Modern History of Korea**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Charles Lilley TuTh 11:00am - 12:15pm	Seats (Total: 32) TLF 1101

HIST319R **Special Topics in History; Genghis Khan and the Mongols: Destroyers of Worlds and Patrons of Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 30) TLF 1101

HIST319Z **Special Topics in History; The FBI 1909-1978**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST321 **Biblical History and Culture**

Credits: 3 Grading Method: Regular

Also offered as: JWST324. Credit only granted for: HIST321 or JWST324. Formerly: HEBR333.

Study of the political, social, and religious development of the Jewish nation from its inception to its return from exile in Babylonia around 536 C.E. Focus on biblical texts, archaeological finds, and source materials from neighboring cultures to reconstruct political history and the development of religious concepts.

Also offered as JWST324. Credit will be granted for HIST321 or JWST324.

0101	Matthew Suriano TuTh 3:00pm - 4:15pm	Seats (Total: 40) SQH 1105

HIST325 **Alexander the Great and the Hellenistic Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST111 or HIST110; or permission of instructor.

History of the Greeks 400-30 B.C.: Alexander and the changes he wrought in the Mediterranean world; the rise of monarchies and leagues; new directions in religion, art, literature, and science; and Hellenization of the Near East, including the Jews.

0101	William Burghart TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 2119

HIST326 **The Roman Republic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST111 or HIST110; or permission of instructor.

Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces that brought it about, and the consequent transformation and decline of the Republic.

0101	Arthur Eckstein TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0126

HIST328C **Selected Topics in History; Arts, Leisure, and Entertainment: Urban Life in Modern Iran**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Interdisciplinary historical exploration of the formation and transformations of urban public culture in modern Iran. Also offered as PERS398B. Credit granted for HIST328C or PERS398B.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 30) SQH 1107

HIST328G **Selected Topics in History; Napoleon, France, and the World**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

0101	Donald Sutherland TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST328I **Selected Topics in History; Women in Israel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST328M **Selected Topics in History; Red, White, and Black: Peoples and Communities in Early America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Colonialism in North America through the eyes of African, European, and Native peoples from the 16th through the 18th centuries. Emphasizes peoples' ideas about human difference in the broader transformations of the colonial period.

0101	Christopher Bonner TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0103

HIST329E **Special Topics in History; Black Women in United States History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

0101	Elsa Barkley Brown W 5:30pm - 8:00pm	Seats (Total: 35) LEF 2166

HIST329X **Special Topics in History; Mobility in History: Planes, Trains, Automobiles**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

0101	Thomas Zeller MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST331 **Europe in the High Middle Ages: 1000-1500**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as: RELS341. Credit only granted for: HIST331 or RELS341.

Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

0101	Janna Bianchini	Seats (Total: 40)
	MW 2:00pm - 3:15pm	SKN 0104

HIST333 The European Reformations

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST111 or HIST112; or permission of instructor required. Also offered as: RELS343. Credit only granted for: HIST333 or RELS343.

Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Sabrina Baron	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 2102

HIST354 Ante-Bellum America 1815-1861

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST200, HIST210, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.

Traces how the strong nationalism after the War of 1812 transformed int the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North-South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

0101	Robert Chiles	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	SKN 0104

HIST355 Civil War and the Rise of Industrialization, 1860-1900

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST156 or HIST157; or permission of instructor. Credit only granted for: HIST355 or HIST364.

Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Emily Landau	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0126

HIST356 **Emergence of Modern America, 1900-1945**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.

The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman, and the New Negro.

0101	Robert Chiles	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0116

HIST357 **Recent America: 1945-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.

American history from the inauguration of Harry S. Truman to the presen with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead	Seats (Total: 60)
	MW 2:00pm - 3:15pm	KEY 0102

HIST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-History department; and junior standing or higher.

The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST396 **Honors Colloquium II**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS | General Education: DSSP

Prerequisite: Permission of ARHU-History department; or HIST395. Restriction: Must be in History program.

Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

0101	Sonya Michel	Seats (Total: 12)
	Tu 12:00pm - 2:00pm	TLF 2100
	Contact instructor or department for details.	

HIST399 **Honors Thesis II**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Individualized research and preparation of History Honors Theses.

0101	Stefano Villani	Seats (Total: 12)
	F 2:00pm - 5:00pm	TLF 2101

HIST404 **History of Modern Biology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The internal development of biology in the 19th and 20th centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

SG91	John Parascandola	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BLD2 3012
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

HIST405 **Environmental History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Robert Friedel	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 1117

HIST408C **Senior Seminar; The Construction of Jewish Knowledge**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department. We will be looking at a broad range of Jewish texts, from rabbinic to modern, from the religious to the political, from the philosophical to the fictional. We will think about heresy and secularization, about the politicized co-opting of memory in Israel, and about how the Holocaust is reconstructed by different groups.

0101	Bernard Cooperman	Seats (Total: 7)
	Tu 1:00pm - 3:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408E **Senior Seminar; Central Asia and Empire**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of the department.

0101	Sarah Cameron Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408F **Senior Seminar; Readings in Global Environmental History**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department.

0101	Thomas Zeller W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408I **Senior Seminar; Seafaring Sexualities: Sex and Colonialism in the Anglo Oceanic World, 1492-1830**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department.

0101	Clare Lyons M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408K **Senior Seminar; Early American History**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department.

0101	Miles Bradbury W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408O **Senior Seminar; Slavery, Freedom, and Citizenship**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department. Examining the changing place of African Americans in the nineteenth-century United States. Considers the experiences of enslavement, freedom, and citizenship, and the ways that black and white people worked within and outside of the law to realize their visions of those statuses.

0101	Christopher Bonner	Seats (Total: 12)
	W 1:00pm - 3:00pm	TLF 2103
	Contact instructor or department for details.	

HIST408X **Senior Seminar; Britain at War: A Cultural History**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department.

0101	Julie Taddeo	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408Y **Senior Seminar; American Culture in the 1930s**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Prerequisite: Permission of department.

0101	Saverio Giovacchini	Seats (Total: 12)
	M 11:00am - 1:00pm	TLF 2108
	Contact instructor or department for details.	

HIST416 **History of Slavery and the Slave Trade in Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HIST416 or HIST419Y. Formerly: HIST419Y.

Examines the history and impact of the slave trade on African states, societies, and economies. Investigates the meaning of slavery in Africa, the local uses of slavery there and Africa's connections to the Trans-Saharan, Red Sea, and Trans-Atlantic slave trades.

0101	Paul Landau MW 2:00pm - 3:15pm	Seats (Total: 40) PLS 1119

HIST417 **Colonial Encounters: Natives, Spaniards, and Africans in the New World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: HIST250; and completion of HIST219V recommended. Credit only granted for: HIST417 or HIST428Y. Formerly: HIST428Y.

An exploration of the discourses and practices of the Spanish colonial project in the New World and the ways in which Indians and Blacks were incorporated into or excluded from that project. Also examines native and African resistance and adaptation to Spanish rule, and the process of transformation and hybridization of Spanish, native and African cultures in Spanish America. An analysis of recent historiographical developments that have profoundly changed the understanding of the Spanish conquest and colonization of the New World.

0101	Alejandro Caneque MW 2:00pm - 3:15pm	Seats (Total: 40) HBK 0115

HIST419B **Special Topics in History; Early Modern China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA W 2:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 15) KEY 0120

HIST419K **Special Topics in History; Victorian London c. 1830-1900**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST419T **Special Topics in History; The New Deal**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Robyn Muncy TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST428F **Selected Topics in History; Cultural Imagination in the U.S.- China Relations, 1783 to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as AAST398R. Credit will be granted for AAST398R or HIST 428F.

0101	James Gao TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 1117

HIST428G **Selected Topics in History; Movies, Medicine, and Mass Communication in the Twentieth Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 40) KEY 0116

HIST428J **Selected Topics in History; Readings in Military History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Jon Sumida Tu 6:00pm - 9:00pm	Seats (Total: 12) TLF 2101

HIST428M **Selected Topics in History; Foreigners as Citizens: Recording Oral Histories of Immigration**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Anne Rush TuTh 2:00pm - 3:15pm	Seats (Total: 20) TLF 1103

HIST428Q **Selected Topics in History; Issues in 20th Century U.S. Cultural and Intellectual History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Seats set down to 90% per dept request.

0101	Saverio Giovacchini	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 1117

HIST429E **Special Topics in History; Gender and Sexuality in Latin America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as LASC448E. Credit will be granted for HIST429E or LASC 448E.

0101	Karin Rosemblatt	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0126

HIST429F **Special Topics in History; MAC to Millennium: History of the University of Maryland**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

0101	Anne Turkos, Jason Speck	Seats (Total: 30)
	Tu 2:00pm - 4:30pm	HBK 3210

HIST429L **Special Topics in History; History of Iran: 7th Century to the Present**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as HIST429L. Credit granted for HIST429L or PERS498L.

0101	Ahmet Karamustafa	Seats (Total: 12)
	W 2:00pm - 4:00pm Contact instructor or department for details.	TLF 1101

HIST429T **Special Topics in History; Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as RELS419T. Credit granted for HIST429T or RELS419T.

0101	Miles Bradbury MW 2:00pm - 3:15pm	Seats (Total: 30) KEY 0121

HIST431 **Stuart England**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of the political, religious, and social forces in English life, 1603-1714, with special emphasis on Puritanism and the English revolutions.

0101	Sabrina Baron TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0116

HIST441 **Germany in the Twentieth Century: 1914-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST240 or HIST113; or permission of instructor.

Germany's aims and policies during World War I, its condition and policies in the inter-war period, the rise of National Socialism, World War II, and post-war Germany.

0101	Jeffrey Herf TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

HIST442 **Twentieth-Century Russia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Russia and the Soviet Union from the fall of the tsars to the post- communist present. Impact of Leninism, Stalinism, and Soviet Communism on state, society, culture, and nationality.

0101	Sarah Cameron TuTh 11:00am - 12:15pm	Seats (Total: 30) TLF 1103

HIST462 **Slavery, Sectionalism, and the U.S. Civil War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST200, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.

Slavery, sectionalism, and the coming of the Civil War. Resources and strategy of the Confederacy and the Union, the war's changing character, emancipation and its consequences, conditions on the home front, and the wartime origins of Reconstruction.

0101	Leslie Rowland	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

HIST466 **Immigration and Ethnicity in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AAST200, AAST201, AAST222, HIST200, HIST201, HIST221, or HIST222; or must have completed HIST156 or HIST157; or permission of ARHU-History department. Credit only granted for: AAST498L or HIST466.

Seminar exploring historical problems relating to US immigration, race, and ethnicity since 1848, with emphasis on cultural impacts of migration on immigrants, their children, and U.S. society.

0101	Julie Greene	Seats (Total: 40)
	MW 2:00pm - 3:15pm	MMH 0108

HIST469Q **Study Abroad Special Topics IV; History of Spain I: Up to the 20th Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST483 **History of Japan Since 1800**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

0101	Charles Lilley	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TYD 2111

HIST499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

Credits: 3 Grading Method: Regular, Audit

An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Stefano Villani Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST607 **The Teaching of History in Institutions of Higher Learning**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

For majors only.

0101	Marsha Rozenblit Contact instructor or department for details.	Seats (Total: 15)
0201	Robyn Muncy Contact instructor or department for details.	Seats (Total: 6)

HIST608B **General Seminar; American History**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

General seminar in student's major field of study (e.g., U.S.; Women an Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.

Prerequisite: permission of department.

0101	David Freund Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST608C **General Seminar; General Seminar in European History**

Credits: 3 Grading Method: Regular, Audit

General seminar in student's major field of study (e.g., U.S.; Women an Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.

0101	Donald Sutherland Tu 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST610 **Introduction to Museum Scholarship**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (American Studies (Doctoral); American Studies (Master's); Anthropology (Doctoral); Anthropology (Master's); Historic Preservation (Master's); History (Doctoral)). Also offered as: AMST655. Credit only granted for: AMST655, ANTH655, or HIST610.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

The class will be held at the National Museum of American History in the East Conference Room on the 4th floor, room 4609.

0101	Instructor: TBA M 4:00pm - 6:40pm	Seats (Total: 19) Location: TBA

HIST619A **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619D **Special Topics in History; Comparative European Empires**

Credits: 3 Grading Method: Regular, Audit

0101	Mikhail Dolbilov W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST619G **Special Topics in History; Histories of Humanitarianism and Human Rights**

Credits: 3 Grading Method: Regular, Audit

0101	Marian Jones, Sonya Michel Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619I **Special Topics in History; Readings in Greek and Roman Historiography**

Credits: 3 Grading Method: Regular, Audit

0101	Arthur Eckstein Tu 2:30pm - 5:00pm	Seats (Total: 12) TLF 2101

HIST619P **Special Topics in History; History of Iran: 7th Century to the Present**

Credits: 3 Grading Method: Regular, Audit

0101	Ahmet Karamustafa W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 3) TLF 1101

HIST619Q **Special Topics in History; Readings in Military History**

Credits: 3 Grading Method: Regular, Audit

0101	Jon Sumida Tu 6:00pm - 9:00pm	Seats (Total: 12) TLF 2101

HIST619R **Special Topics in History; Readings in 19th Century U.S.**

Credits: 3 Grading Method: Regular, Audit

0101	Michael Ross W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2103

HIST619V **Special Topics in History; Readings in U.S. Labor**

Credits: 3 Grading Method: Regular, Audit

0101	Julie Greene W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619Z **Special Topics in History; Women and Gender in the Middle Ages**

Credits: 3 Grading Method: Regular, Audit

0101	Janna Bianchini W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HIST819A **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Department permission required.

Contact department for information to register for this course.

HIST819D **Special Topics in History: Independent Research; U.S. and the World**

Credits: 3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

0101	Colleen Woods Tu 6:00pm - 8:30pm	Seats (Total: 12) TLF 2108

HIST848 **Seminar in Modern European History; Seminar in Modern European History**

Credits: 3 Grading Method: Regular, Audit

0101	Jeffrey Herf Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

HIST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

HLSA Health Services Administration Spring 2015

HLSA601 **Introduction to Health Systems**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.

Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen	Seats (Total: 30)
	W 4:00pm - 6:45pm	SPH 0308

HLSA688 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

Credits: 1-6 Grading Method: Regular

Individual instruction course.

0101	Lori Simon-Rusinowitz	Seats (Total: 1)
	Contact instructor or department for details.	

HLSA709 **Current Topics in Health Services**

Credits: 1 Grading Method: Regular, Audit

A focus on analyzing, synthesizing and managing current and emerging issues in health services including, but not limited to, policy, legislation, management, practice, health systems, financing and insurance, ethics, technology, organizational and social change, marketing, health determinants, global health, evaluation and research, among others. Topics will complement and enrich the knowledge and skills acquired throughout the program. Readings, interactive discussions, team projects, in class presentations and related assignments.

0101	Jie Chen W 2:00pm - 4:00pm	Seats (Total: 20) SPH 0308
PLH1	Christopher King Class time/details on ELMs	Seats (Total: 30) ONLINE

HLSA710 **Healthcare Mangement: Foundations and Principles**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Master of Health Administration (Master's) program; or must be in Health Services Ph.D. (Doctoral) program.

Concepts and managerial activities essential to achieve the goals of health care organizations are examined and discussed. Managerial processes include planning, decision-making, etc. required to operate and change health care organizations will be discussed. Special emphasis will be placed on the leader/managers role in developing and maintaining an effective system for providing healthcare.

0101	Rada Dagher Tu 4:00pm - 6:45pm	Seats (Total: 25) JMZ 3203

HLSA711 **Health Economics and Analysis**

Credits: 3 Grading Method: Regular, Audit

Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms.

0101	Jie Chen Tu 1:00pm - 3:45pm	Seats (Total: 25) SPH 0301

HLSA721 **Using Demographic Data for Health Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650; or students who have taken courses with comparable content may contact the department; or permission of instructor. Additional information: Priority enrollment will be given to students in the Department of Health Services Administration programs.

There is a wealth of publicly available demographic survey data in the United States that can be used for policy research and planning. However, such data often have unique limitations, they can be difficult to obtain and use, and they require statistical methods that are not necessary in the analysis of other data. The goal if this course to introduce students to the major demographic data sets that are used in health policy research and to provide hands-on experience using these data to answer policy oriented research questions. Through readings, lectures, and in-class discussions students will learn how federal surveys are designed and conducted, the role that these data play in policymaking activities, and the strengths and limitations of large-scale survey data. In conjunction, through a series of labs and assignments, students will gain experience in developing researchable policy questions, obtaining publicly available data, analyzing it with statistical software (Stata), and communicating results through the creation of tables and reports that meet the standards of professional policy research. By the end of the course, each student will have written a high quality empirical paper on a policy topic of their choice.

0101	Instructor: TBA Th 4:00pm - 6:45pm	Seats (Total: 12) SPH 0227

HLSA740 **Healthcare Strategic Planning and Marketing**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

0101	Christopher King Tu 7:00pm - 8:45pm	Seats (Total: 25) SPH 0303
PLH1	Christopher King Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 30) ONLINE

HLSA772 **Healthcare Leadership and Communications**

Credits: 3 Grading Method: Regular, Audit

Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

0101	Diane Dixon M 1:00pm - 3:45pm	Seats (Total: 25) SPH 1302

HLSA785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
0201	Rada Dagher Contact instructor or department for details.	Seats (Total: 10)
0301	Karoline Mortensen Contact instructor or department for details.	Seats (Total: 10)
0501	Jie Chen Contact instructor or department for details.	Seats (Total: 10)
0601	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
PLH1	Graciela Jaschek Class time/details on ELMs *Permission of department.*	Seats (Total: 20) ONLINE

HLSA786 **Capstone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA787 **Distrust, Race & Research: Overview of Minority Health and Disparities Research**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

A critical analysis of historical, political, economic, social, cultural, and environmental conditions that have produced an inequitable health status for racial and ethnic minorities in the United States.

0101	Stephen Thomas	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	SPH 0301

HLSA790 **Advanced Methods in Health Services Research**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650 and EPIB651; or permission of instructor.

Provides an in-depth examination of health services research literature with emphasis on methodological scrutiny and application of methods beyond linear regression such as categorical regression, survival analysis, selection issues, and endogeniety.

0101	Rada Dagher	Seats (Total: 6)
	W 4:00pm - 6:45pm	SPH 0301

HLSA792 **Health Services Portfolio Seminar I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

Assists doctoral pre-candidates at the end of their coursework with completing the required research portfolio requirements.

0101	Karoline Mortensen	Seats (Total: 5)
	W 1:00pm - 3:45pm	Location: TBA

HLSA799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLSC Integrated Life Sciences Spring 2015

HLSC322 **Principles of Genetics and Genomics**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HLSC207. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Credit only granted for: HLSC322 or BSCI222.

Principles and mechanisms of heredity and gene expression, with a focus on the application of genomics to contemporary medicine, biotechnology, and societal issues.

0101	Instructor: TBA TuTh 11:00am - 12:15pm Tu 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 Location: TBA	Discussion
0102	Instructor: TBA TuTh 11:00am - 12:15pm W 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 LPA 1125	Discussion
0103	Instructor: TBA TuTh 11:00am - 12:15pm Th 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 Location: TBA	Discussion

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HLSC377 **Research and Application in Life Sciences**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Prerequisite: HLSC207 and HLSC322. Restriction: Must be in the Integrated Life Sciences honors program.

A skills based course covering current research in the life sciences emphasizing novel approaches to complex real-word problems having a biological basis.

0101	Byrn Quimby TuTh 9:30am - 10:45am	Seats (Total: 35) LPA 0100
0102	Byrn Quimby TuTh 12:30pm - 1:45pm	Seats (Total: 35) LPA 0100

HLTH Health Spring 2015

HLTH106 **Drug Use and Abuse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 125) EGR 1202

HLTH130 **Introduction to Public and Community Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Restriction: Must not have completed HLTH105; and non-majors must have 45 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105.

An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.

Attendence is expected on the first day of class. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Donna Howard TuTh 2:00pm - 3:15pm	Seats (Total: 125) SPH 1312

HLTH140 **Personal and Community Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	James Butler	Seats (Total: 200)
	TuTh 9:30am - 10:45am	SPH 1312

HLTH200 **Introduction to Research in Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of SPHL-Behavioral & Community Health department.

An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Amelia Arria	Seats (Total: 150)
	MWF 2:00pm - 2:50pm	BPS 1250

HLTH230 **Introduction to Health Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Prerequisite: Must have completed or be concurrently enrolled in HLTH130.

Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Tracy Zeeger	Seats (Total: 125)
	TuTh 3:30pm - 4:45pm	SPH 1312

HLTH285 **Controlling Stress and Tension**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSHS

Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Erin Tagai TuTh 8:00am - 9:15am	Seats (Total: 100) SPH 1312

HLTH289 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: Must have completed or be concurrently enrolled in HLTH200; or minimum grade of C- in BSCI202, CHEM131, and CHEM132. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: EPIB300. Credit only granted for: EPIB300 or HLTH300.

An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Dina Borzekowski TuTh 12:30pm - 1:45pm	Seats (Total: 150) SPH 1312
SG91	Joshua Levine, Raul Cruz-Cano M 9:00am - 11:50am *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 60) BLD3 3202

HLTH301 **Epidemiology for Public Health Practice**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HLTH300. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: EPIB301. Credit only granted for: EPIB301 or HLTH301.

An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Debra Bernat	Seats (Total: 150)
	TuTh 9:30am - 10:45am	JMZ 0220

HLTH371 **Communicating Safety and Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Behavioral & Community Health department.

The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck	Seats (Total: 100)
	TuTh 9:30am - 10:45am	SKN 0200

HLTH377 **Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

Restricted to students with greater than 60 credits.

0101	Robin Sawyer	Seats (Total: 200)
	TuTh 11:00am - 12:15pm	SPH 1312

SG91	Robin Sawyer	Seats (Total: 105)
	Class time/details on ELMs	ONLINE

Restricted to Junior BMGT-Shady Grove students majoring in Accounting, International Business, Marketing and to Senior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. This section is taught on-line, but there will be one mandatory in-class meeting to review course requirements on Wednesday, January 28th at 2:00 pm (Room 3241 Bldg III). There are exams at 3:30-4:30 pm on the following dates: Wednesday, February 25th; Wednesday, April 1st; and Wednesday, May 6th. The exam dates and times are non-negotiable.

HLTH380 **Peer Education: Alcohol and Other Drugs**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: HLTH106.

Peer training dealing with drug information and abuse to facilitate workshops in various outreach locations (dorms, Greek system, classrooms).

Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: HLTH285.

Peer training in different forms of stress management to facilitate workshops in various outreach locations (dorms, Greek system, classes).

Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: HLTH377.

Peer training in communication and issues of sexuality to facilitate workshops in various outreach locations (dorms, Greek system, classes).

Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: HLTH377.

Peer training in methods of birth control, sexually transmitted disease and AIDS education to facilitate workshops in the student Health Center and various outreach locations (dorms, Greek system, classes).

Contact department for information to register for this course.

HLTH386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH389V **Topical Investigations; An International Perspective on Domestic and Sexual Violence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program.

Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sylvette La Touche-Howard	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SPH 0303

0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0303
0301	Sylvette La Touche-Howard M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307
0401	Sylvette La Touche-Howard Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308

HLTH420 **Methods and Materials in Health Education**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH490.

The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 18) SPH 0303
0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 18) SPH 0305
0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 18) SPH 0307
0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 18) SPH 0301

HLTH434 **Introduction to Public Health Informatics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HLTH434 or HLTH498E. Formerly: HLTH498E.

Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats.

Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.

SG91	Sandra Saperstein	Seats (Total: 30)
	W 9:00am - 11:50am	BLD3 3203
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

HLTH460 **Minority Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.

Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.

0101	Mary Garza	Seats (Total: 100)
	W 4:00pm - 6:45pm	SPH 1312

HLTH471 **Women's Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471.

The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

0101	Faika Zanjani	Seats (Total: 125)
	MWF 10:00am - 10:50am	SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH420.

Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0201	Tracy Zeeger MW 12:30pm - 1:45pm	Seats (Total: 22) SPH 0303
0301	Tracy Zeeger TuTh 12:30pm - 1:45pm	Seats (Total: 22) EGR 3114
0401	Sylvette La Touche-Howard TuTh 2:00pm - 3:15pm	Seats (Total: 22) SPH 0307
0501	Tracy Zeeger TuTh 11:00am - 12:15pm	Seats (Total: 22) EGR 3114

HLTH491 **Community Health Internship**

(Perm req)

Credits: 12 Grading Method: Sat-Fail

Prerequisite: HLTH490. Restriction: Must be in Community Health program.

Integrating theory with practice in a community health setting.

Class will meet on the following Wednesdays (January 28th, February 18th, April 8th, and May 6th) from 1pm-3:30pm.

0101	Instructor: TBA W 1:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 110) SKN 0200

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

For major only.

0101	Geoffrey Gilbert	Seats (Total: 30)
	M 3:00pm - 5:30pm	SPH 0107

HLTH498O **Special Topics in Health; Health Opinion Leaders**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH498P **Special Topics in Health; Peer Mentors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH665 **Health Behavior I**

Credits: 3 Grading Method: Regular, Audit

The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

For CHED and PCHL majors only.

0101	Robert Feldman	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 0305

HLTH666 **Health Behavior II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HLTH665.

An advanced course with intensive training in health behavior research and the opportunity to carry out original research in health behavior. Patient-provider interaction, patient cooperation with medical treatment and other social and psychological influences on health care.

0101	Cheryl Holt	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	CSS 0201

HLTH671 **Public Health Communication**

Credits: 3 Grading Method: Regular, Audit

Restriction: Non-SPH students must obtain permission from the instructor prior to registering. Credit only granted for: HLTH670 or HLTH671 and HLTH672. Formerly: HLTH670.

An exploration of the the broad and diverse field of health communication including medical encounters, everyday communication about health, advertising, news, public health campaigns, community outreach, public policy, and international programs. Theories and applied efforts that have been studied and documented will be examined.

0101	Linda Aldoory	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 0305

HLTH688 **Special Problems in Health Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

HLTH711 **Advanced Research Methods in Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HLTH710. Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program.

Quantitative techniques, advanced research methods and design issues.

0101	Kerry Green	Seats (Total: 10)
	Th 4:00pm - 6:45pm	SPH 0305

HLTH774 **Community Health Program Planning**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or permission of instructor. Credit only granted for: HLTH775 or HLTH774 and HLTH776. Formerly: HLTH775.

An introduction to the development, planning, and administration of community health programs. The overall goal of this course is to develop a program and conceptualize the implementation of the intervention.

0101	James Butler	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 1303

HLTH780 **Community Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: HLTH740 or HLTH780.

Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs.

For CHED and PCHL majors only.

0101	Sharon Desmond	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 1301

HLTH785 **Internship in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: HLTH665, HLTH775, and HLTH780; or permission of SPHL-Behavioral & Community Health department.

Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Seminars will meet on the following Mondays: January 26, March 9 and May 4. Notes should appear after all sections of the course.

0101	Anne Anderson-Sawyer	Seats (Total: 15)
	Meets January 26, 2015 - May 5, 2015	
	M 7:00pm - 9:00pm	SPH 0301
	Contact instructor or department for details.	

HLTH786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

HONR Honors Spring 2015

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VISIT THE DEPARTMENT WEBSITE

HONR208L **Honors Seminar; Justice Matters: Law, Literature, and Film**

Credits: 3 Grading Method: Regular General Education: DSHU, SCIS

0101	Sara Schotland TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1176

HONR208M **Honors Seminar: Utopia and Dystopia: Reality and Relevance**

Credits: 3 Grading Method: Regular CORE: HO General Education: DSHU

0101	Sara Schotland Th 2:00pm - 4:30pm	Seats (Total: 20) SQH 1119

HONR209C **The Plight of Children in The Arts**

Credits: 3 Grading Method: Regular CORE: HA General Education: DSHU

0101	Anthony Colantuono	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ASY 3217

HONR209F Honors Seminar; The Original "Virtual Reality": Fantasy, Subcreation, and Worldbuilding

Credits: 3 Grading Method: Regular General Education: DSHU

0101	Michelle Butler	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1168

HONR209G Honors Seminar; Elements of Drawing for Non-Majors

Credits: 3 Grading Method: Regular General Education: DSSP

Students must pay a $40.00 studio lab fee.

0101	Patrice Kehoe	Seats (Total: 16)
	TuTh 12:30pm - 3:00pm	ASY 2315
	There is a $40.00 lab fee for this course.	

HONR209K Honors Seminar; Country Music as American History: "Your Life in a Song"

Credits: 3 Grading Method: Regular General Education: DSHS

0101	Emily Landau	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KEY 0126

HONR209M Honors Seminar; Fair Division: From Cake Cutting to Dispute Resolution

Credits: 3 Grading Method: Regular General Education: FSAR

0101	William Gasarch	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PLS 1113

HONR209W Honors Seminar; War Stories: Personal Narratives, Fiction, and Film

Credits: 3 Grading Method: Regular General Education: DSHU, SCIS

0101	Sara Schotland	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	PLS 1158

HONR218D **Honors Seminar: Life, The Universe, and Everything**

Credits: 3 | Grading Method: Regular | CORE: PS | General Education: DSNS

0101	Michael Miller M 2:00pm - 4:30pm	Seats (Total: 20) CSS 0201

HONR218J **Honors Seminar; Sustainability and Development: From the Individual to the Global**

Credits: 3 | Grading Method: Regular | General Education: DSHS, SCIS

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) LEF 2208

HONR218M **Honors Seminar; Elements of Music Composition for Non-Majors**

Credits: 3 | Grading Method: Regular | General Education: DSSP

0101	William Evans Tu 3:30pm - 6:00pm	Seats (Total: 16) PAC 1108

HONR218O **Honors Seminar; Ethics in a Professional Life**

Credits: 3 | Grading Method: Regular | General Education: DSHU

0101	Philip DeShong TuTh 3:30pm - 4:45pm	Seats (Total: 20) CHE 2145

HONR218T **Honors Seminar; Political Theater: On Stage and in Washington**

Credits: 3 | Grading Method: Regular | General Education: DSHU

0101	Nelson Pressley Th 2:00pm - 4:30pm	Seats (Total: 20) PLS 1164

HONR218W **The Idea of Crime**

Credits: 3 | Grading Method: Regular | CORE: SB | General Education: DSHS, SCIS

0101	John Laub Th 2:00pm - 4:30pm	Seats (Total: 20) LEF 2165E

HONR218X **Honors Seminar; Fighting Slavery**

Credits: 3 | Grading Method: Regular | General Education: DSHU, SCIS

0101	Richard Bell MW 2:00pm - 3:15pm	Seats (Total: 20) TLF 1103

HONR219T **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

Credits: 3 | Grading Method: Regular | CORE: IE | General Education: DSSP, SCIS

0101	Lewis Link M 2:00pm - 4:30pm	Seats (Total: 20) HBK 1108

HONR219Y **Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self**

Credits: 3 | Grading Method: Regular | CORE: SB | General Education: DSHS, SCIS

0101	Allan Wigfield TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 3236

HONR219Z **Honors Seminar; Apocalypse Then and Now: World Traditions of the End Times**

Credits: 3 | Grading Method: Regular | General Education: DSHU

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124

HONR228D **Honors Seminar; Fireworks and Trap-Doors: A Hands-On Workshop in Early Theater Production and Special Effects**

Credits: 3 | Grading Method: Regular | General Education: DSHU

0101	Michelle Butler TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1168

HONR228V **Honors Seminar; Warfare and Society in Greece, Rome, and Byzantium**

Credits: 3 Grading Method: Regular General Education: DSHS

0101	Denis Sullivan	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TYD 0111

HONR229O **Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations**

Credits: 3 Grading Method: Regular CORE: HL General Education: DSHU

0101	Judith Hallett	Seats (Total: 20)
	TuTh 3:00pm - 4:40pm	WDS 1127

HONR229P **Mathematics and Art**

Credits: 3 Grading Method: Regular CORE: MS General Education: DSHU

0101	Niranjan Ramachandran	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 1311

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

Credits: 3 Grading Method: Regular CORE: HA General Education: DSHU

0101	Korey Rothman	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	HBK 0105

HONR238B **Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film**

Credits: 3 Grading Method: Regular CORE: HL General Education: DSHU

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0103

HONR238C **The Future of Energy and Climate Policy**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSSP

0101	Tyson Slocum	Seats (Total: 20)
	W 3:00pm - 5:30pm	HBK 0123

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU

0101	Korey Rothman MW 1:00pm - 2:15pm	Seats (Total: 20) KEY 0125
0201	Korey Rothman MW 3:00pm - 4:15pm	Seats (Total: 20) KEY 0125

HONR238N **Honors Seminar; Public Health and Contemporary Health Issues: "Saving Lives Millions at a Time"**

Credits: 3 Grading Method: Regular General Education: DSHS

0101	Kerry Green W 1:00pm - 3:45pm	Seats (Total: 20) SPH 1302

HONR238R **Honors Seminar: Terrorism**

Credits: 3 Grading Method: Regular CORE: SH General Education: DSHS

0101	Edwin Smead M 4:00pm - 6:30pm	Seats (Total: 20) TLF 1103

HONR239A **Honors Seminar; Constructing and De-Constructing the Colonial Chesapeake**

Credits: 3 Grading Method: Regular General Education: DSHS, DSSP, SCIS

0101	Dennis Pogue W 2:00pm - 4:30pm	Seats (Total: 15) ARC 1117

HONR239C **Honors Seminar: The Creative Process in Dance**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU

0101	Sharon Mansur MW 2:00pm - 3:15pm	Seats (Total: 15) PAC 1908

HONR239D **Honors Seminar; Introduction to Printmaking: A Studio Workshop for Non-Majors**

Credits: 3 Grading Method: Regular General Education: DSSP

Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin	Seats (Total: 12)
	TuTh 6:00pm - 8:30pm	ASY 1317
	There is a $40.00 lab fee for this course.	

HONR239J **Honors Seminar; Exposing Scandals: The History of Investigative Journalism in the U.S.**

Credits: 3 Grading Method: Regular General Education: DSHS

0101	Mark Feldstein	Seats (Total: 20)
	M 10:00am - 12:30pm	KNI 1109

HONR239V **Honors Seminar; Introduction to Visual Storytelling**

Credits: 3 Grading Method: Regular General Education: DSSP

For Non-Journalism majors only.

0101	Timothy Jacobsen	Seats (Total: 12)
	F 9:00am - 11:30am	KNI 2107

HONR248R **Honors Seminar; Sustainability Solutions: Business Lab**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

0101	Rachelle Sampson	Seats (Total: 20)
	Tu 2:00pm - 5:00pm	VMH 2509

HONR249L **The Historical Development of London**

Credits: 3 Grading Method: Regular CORE: SH

Contact department for information to register for this course.

HONR258D **Honors Seminar; Stage, Screen, and Life: A Culture History of Drag**

Credits: 3 Grading Method: Regular General Education: DSHU, DSNS, SCIS

0101	Catherine Schuler	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ARC 1101

HONR259K **Honors Seminar; Global Inequality: Research and Practice**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

0101	Roberto Korzeniewicz TuTh 3:30pm - 4:45pm	Seats (Total: 20) ASY 3203

HONR259L Honors Seminar; Thinking Strategically

Credits: 3 Grading Method: Regular General Education: FSAR

0101	Robert Schwab TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 0101

HONR269A Honors Seminar; Contemporary Arts and Ideas

Credits: 3 Grading Method: Regular General Education: DSHU

0101	Ingrid Satelmajer TuTh 2:00pm - 3:15pm	Seats (Total: 20) HBK 0123

HONR269E Honors Seminar; Exploring Key Issues of Globalization

Credits: 3 Grading Method: Regular General Education: DSHS, DVUP, SCIS

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3136

HONR269G Honors Seminar; Hungry, Hot, and Crowded: Global Challenges in the 21st Century

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

0101	Kathleen Mogelgaard Tu 6:00pm - 8:30pm	Seats (Total: 20) KEY 0123

HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan

Credits: 3 Grading Method: Regular CORE: SB, D General Education: DSHS, SCIS

0101	Temim Nusraty Th 6:30pm - 9:00pm	Seats (Total: 10) ANA 0120

HONR278G **Honors Seminar; Exploring How Foreign Policy is Developed**

Credits: 3 | Grading Method: Regular | General Education: DSHS

0101	Temim Nusraty M 6:30pm - 9:00pm	Seats (Total: 20) ANA 0120

HONR278K **Honors Seminar; Evolutionary Processes in Health and Medicine**

Credits: 3 | Grading Method: Regular | General Education: DSNS, SCIS

0101	Charles Delwiche MW 3:00pm - 4:15pm	Seats (Total: 20) HJP 1216

HONR278N **Honors Seminar; Culture, Identity, and the Global Economy**

Credits: 3 | Grading Method: Regular | General Education: DSHS, DVUP

0101	Jan Padios TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2120

HONR278R **Honors Seminar; Creative People, Creative Practice**

Credits: 3 | Grading Method: Regular | General Education: DSSP

0101	James Fry TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 3160

HONR278Z **Honors Seminar; The Philosophy and Practice of Yoga**

Credits: 3 | Grading Method: Regular | General Education: DSHU, SCIS

0101	Susan Dwyer MWF 10:00am - 10:50am	Seats (Total: 20) SPH 0305

HONR279R **Honors Seminar; Faith and Values in Public Life**

Credits: 3 | Grading Method: Regular | General Education: DSHS

0101	Darron Monteiro	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	KEY 0119

HONR279Y **Honors Seminar; Language and Thought: Insights from Brain Damage, Neuroimaging, and Bilingualism**

Credits: 3 Grading Method: Regular General Education: DSNS

0101	Jared Novick	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	KEY 0123

HONR288L **Medical Devices: Applied Ethics and Public Policy**

Credits: 3 Grading Method: Regular CORE: SB General Education: DSSP

0101	Glenn Rahmoeller	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1180

HONR288M **Honors Seminar; Boomtowns: Technological Innovations in the Context of Community**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

0101	Sheryl Ehrman	Seats (Total: 20)
	W 3:00pm - 5:30pm	HBK 0103

HONR288P **Honors Seminar; Why Do Things Burn?**

Credits: 3 Grading Method: Regular General Education: DSNS, SCIS

To register for this class, you must not be an Engineering major.

0101	Marino diMarzo	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMP 3106B

HONR288Q **Honors Seminar; The Psychology of Social Networking and Social Computing**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

0101	Kent Norman	Seats (Total: 20)
	MW 2:30pm - 3:45pm	PLS 1129

HONR288R **Honors Seminar; Medical Humanities and First Person Illness Narratives**

Credits: 3 Grading Method: Regular General Education: DSHU

0101	Cathy Barks TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0120

HONR289I **Honors Seminar: Greening Cities: Who Wins, Who Loses and Who Cares?**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Formerly offered as PLSC289I/PLSC289H. Credit only granted for HONR289I, PLSC289I, or PLSC289H. Marla McIntosh, Professor and Distinguished-Scholar Teacher, Department of Plant Science and LandscapeArchitecture.

0101	Marla McIntosh TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1119

HONR289L **Honors Seminar: Biofuels: Fact or Fiction?**

Credits: 3 Grading Method: Regular CORE: PS General Education: DSNS, SCIS

0101	Steven Hutcheson M 4:00pm - 6:30pm	Seats (Total: 20) MCB 1123

HONR289P **Honors Seminar; How Do Innovators Think?**

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Credit will be granted for only one of the following: BMGT289B or HONR289P. Evening guest speakers 6:30pm-9:15pm are on three specific dates. Daytime meetings will be held every week.

0101	Mark Wellman W 3:00pm - 4:50pm W 6:30pm - 9:15pm	Seats (Total: 20) VMH 3330H VMH 1212

HONR289Y **Novels and Who We Are**

Credits: 3 Grading Method: Regular CORE: HL General Education: DSHU

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ANA 0103

HONR298F **Honors Seminar; Explaining Social Change: Fact and Fiction in Understanding Why our World Looks the Way It Does**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

0101	Meyer Kestnbaum	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ASY 3203

HONR298G **Honors Seminar; Science, Gender, and Classic Science Fiction**

Credits: 3 Grading Method: Regular General Education: DSHU

Credit granted for HONR298G, ENGL379G, or ENGL255.

0101	Jane Donawerth	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	TWS 3252

HONR299J **Honors Seminar; Prions: Cannibalism, Mad Cows, Slow Death, and Human Weakness**

Credits: 3 Grading Method: Regular General Education: DSNS

0101	Marco Colombini	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PLS 1164

HONR338A **Advanced Honors Seminar; Understanding the Israeli-Palestinian Conflict through Opposing Histories**

Credits: 3 Grading Method: Regular General Education: DSHU

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Not open to students who have taken ISRL289I. Credit will be granted forHONR338A or ISRL329D. Israelis and Palestinians have been fighting over the Land of Palestine (aka Land of Israel) for over a century, but both sides date their relationship to the Land back many centuries, even milllennia. We will look at the history but especially the "narratives" that the two sides employ to explain and justify, both to themselves and others, their claims to the land, and how these narratives have both molded the shape of the conflict and been molded by it, and changed overtime. This is not solely a history course, though it will cover the relevant history. It will focus on the importance of narratives to the continuation of the conflict, as well as elements relating to identity, religion, archaeology, morality, and human rights. No previous knowledgeis expected, but those with such knowledge will find it useful.

0101	Paul Scham	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SQH 2122

HONR348D **Advanced Honors Seminar; Innovation and Social Change: Do Good Now**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Permission required. Also offered as BSOS388B and PUAF388D. Credit will be granted for BSOS388B, HONR348D or PUAF388D. There will be one mandatory class meeting on Sunday, February 1, 2015 in the afternoon (time TBD). The details of this class meeting will be shared during the first couple weeks of the course.

0101	William Dorland	Seats (Total: 30)
	Tu 2:00pm - 4:30pm	ANA 0120

HONR348F **Advanced Honors Seminar; Deconstructing Breaking Bad**

Credits: 3 Grading Method: Regular General Education: DSHU

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Class will meet in the Anne Arundel Hall Basement Lounge.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	Location: TBA

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

Credits: 3 Grading Method: Regular General Education: DVCC

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

0101	Edwin Smead	Seats (Total: 20)
	W 4:00pm - 6:30pm	TYD 2110

HONR348K **Advanced Honors Seminar; Angst, Sex, and Laughter: Kafka and Film**

Credits: 3 Grading Method: Regular General Education: DSHU

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

0101	Peter Beicken	Seats (Total: 20)
	Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	HBK 0302J HBK 0302H

HONR348M **Advanced Honors Seminar; Stock Market**

Credits: 3 Grading Method: Regular General Education: DSHS, DSSP, SCIS

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

0101	Eric Wish, David McCandlish	Seats (Total: 20)
	Th 2:00pm - 4:50pm	ANA 0120

HONR349F **Honors Colloquium; America and the Middle East**

Credits: 3 Grading Method: Regular General Education: DSHS, DVUP

A series of seminars, often interdisciplinary and sometimes team taught. Subjects may vary.

0101	Shibley Telhami	Seats (Total: 20)
	M 2:00pm - 4:45pm	TYD 1132

HONR349V **Honors Colloquium; Dubai: Global Immersion Experience**

Credits: 3 Grading Method: Regular

A series of seminars, often interdisciplinary and sometimes team taught. Subjects may vary.

Contact department for information to register for this course.

HONR358B **Honors Practicum**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

For student section leaders of HONR100 or HONR200.

Contact department for information to register for this course.

HONR358C **Honors Practicum**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

For student section leaders of HONR100 or HONR200.

Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

Credits: 3 Grading Method: Sat-Fail

Honors workshops are small seminar classes which concentrate on skill development.

0101	Colman McCarthy M 2:30pm - 5:00pm	Seats (Total: 20) KEY 0119
0201	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) KEY 0126

HONR359X **Honors Workshop**

Credits: 1 Grading Method: Sat-Fail

Honors workshops are small seminar classes which concentrate on skill development.

Contact department for information to register for this course.

HONR379 **Honors Independent Study**

(Perm req)

Credits: 3 Grading Method: Regular

Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.

Available only to University honors students.

Contact department for information to register for this course.

HONR379A **Honors Independent Study**

Credits: 1-6 Grading Method: Regular

Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.

Contact department for information to register for this course.

HONR379W **Honors Independent Study; Writing Internship: Maryland General Assembly Pre-Professional Writing Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular

Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.

Also offered as ENGL388M.

0101	Thomas Lowderbaugh	Seats (Total: 20)
	Contact instructor or department for details.	

HONR379Z **Honors Independent Study; Further Implications of Knowledge**

(Perm req)

Credits: 1-6 Grading Method: Regular

Involves reading or research directed by individual faculty, especially in areas outside of the student's major. Open only to University honors students.

Contact department for information to register for this course.

HONR388 **Honors Thesis or Project**

(Perm req)

Credits: 3 Grading Method: Regular

Contact department for information to register for this course.

IMMR Immigration Studies Spring 2015

IMMR200 **Introduction to Immigration and Migration Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduces concepts and theoretical interpretations about the causes of international migration; provides an historical overview of the main flows of immigration to the U.S.; analyzes economic, political, social, and cultural aspects that impact the immigrants' settlement process.

0101	Instructor: TBA	Seats (Total: 29)
	TuTh 11:00am - 12:15pm	ASY 3207

IMMR219B **Special Topics in Immigration and Migration Studies; US Latina/o Studies II: A Contemporary Overview 1960's to present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in immigration or migration studies history at an introductory level withemphasis on understanding how the movement of people is relevant in the contemporary world.

Also offered as USLT202. Credit granted for IMMR219B or USLT202. Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

0101	Ellen Griff	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 1101

IMMR319B **Special Topics in Immigration and Migration Studies; Latina/o Sexualities: Borders, Migration, and Citizenship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in immigration or migration studies with emphasis on understanding how the movement of people is relevant in the contemporary world.

Also offered as AMST328A and USLT498F. Credit granted for AMST328A, IMMR319B, or USLT498F.

0101	Cristina Perez	Seats (Total: 35)
	MWF 11:00am - 11:50am	SQH 1107

IMMR419B **Special Topics in Immigration and Migration Studies; Immigration and Ethnicity in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in immigration or migration studies history with emphasis on understanding how the movement of people is relevant in the contemporary world.

0101	Julie Greene	Seats (Total: 40)
	MW 2:00pm - 3:15pm	MMH 0108

INAG Institute of Applied Agriculture Spring 2015

INAG101 **Computer Applications**

Credits: 3 Grading Method: Regular, Audit

0101	Roy Walls	Seats (Total: 20)
	MF 10:00am - 10:50am	ANS 0509
	W 10:00am - 11:50am	ANS 0509

INAG104 **Agricultural Mathematics**

Credits: 3 Grading Method: Regular, Audit

0101	Justin Mathias MWF 9:00am - 9:50am	Seats (Total: 20) JUL 1123	

INAG105 **Soils and Fertilizers**

Credits: 3 Grading Method: Regular

0101	Kenneth Ingram MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 25) JUL 1123 JUL 1111	 Lab
0102	Kenneth Ingram MW 1:00pm - 1:50pm M 2:30pm - 4:30pm	Seats (Total: 14) JUL 1123 JUL 1111	 Lab

INAG106 **Pesticide Use and Safety**

Credits: 2 Grading Method: Regular

0101	Ronald Myers W 3:00pm - 4:50pm	Seats (Total: 50) JUL 1123

INAG110 **Oral Communication**

Credits: 3 Grading Method: Regular, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Instructor: TBA MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1176
0201	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) CHE 2145

0301	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) CSS 0201
0401	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1184
0501	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) CSS 0201
0701	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1158
0801	Anthony Pagnotti MWF 11:00am - 11:50am	Seats (Total: 19) PHY 1402
0901	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) EGR 3114
1001	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 19) HBK 0105
1101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) CSS 0201
1201	Anthony Pagnotti MWF 12:00pm - 12:50pm	Seats (Total: 19) PLS 1176
1301	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 19) PLS 1180
1401	Edward Priola MWF 1:00pm - 1:50pm	Seats (Total: 19) CSS 0201
1501	JoEllen Barnhart MWF 1:00pm - 1:50pm	Seats (Total: 19) SYM 0215
1601	Edward Priola MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1115
1701	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1158

1801	Instructor: TBA MW 3:00pm - 4:15pm	Seats (Total: 19) PLS 1115
1901	JoEllen Barnhart MW 3:00pm - 4:15pm	Seats (Total: 19) PLS 1184
2001	Edward Priola MW 4:30pm - 5:45pm	Seats (Total: 19) PLS 1180
2101	JoEllen Barnhart MW 4:30pm - 5:45pm	Seats (Total: 19) HBK 0115
2201	Nina Latassa M 6:00pm - 8:50pm	Seats (Total: 19) PLS 1176
2301	Nina Latassa W 6:00pm - 8:50pm	Seats (Total: 19) PLS 1146
2401	Nina Latassa TuTh 8:00am - 9:15am	Seats (Total: 19) JUL 1123
2501	JoEllen Barnhart TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1168
2601	Nina Latassa TuTh 9:30am - 10:45am	Seats (Total: 19) JUL 1105
2701	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) EGR 1104
2801	JoEllen Barnhart TuTh 9:30am - 10:45am	Seats (Total: 19) SYM 0215
2901	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 19) ARC 1127
3001	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) SPH 0301
3101	Anthony Pagnotti TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1146

3201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 19) CHE 2145
3301	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) CHE 2116
3401	Nina Latassa TuTh 12:30pm - 1:45pm	Seats (Total: 19) EGR 1110
3501	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) ARC 1127
3601	Anthony Pagnotti TuTh 2:00pm - 3:15pm	Seats (Total: 19) EGR 3114
3701	Edward Priola TuTh 2:00pm - 3:15pm	Seats (Total: 19) EDU 3233
3801	Edward Priola TuTh 3:30pm - 4:45pm	Seats (Total: 19) HBK 1108
3901	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1162
4001	Instructor: TBA Tu 6:00pm - 8:50pm	Seats (Total: 19) BPS 1232

INAG110S **Oral Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0601	Anthony Pagnotti MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1111

INAG199 **Special Problems**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0101	Justin Mathias Contact instructor or department for details.	Seats (Total: 5)
0201	Meredith Epstein Contact instructor or department for details.	Seats (Total: 5)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 5)
0401	Roy Walls Contact instructor or department for details.	Seats (Total: 5)
0501	Meredith Epstein Contact instructor or department for details.	Seats (Total: 5)
0601	Glori Hyman Contact instructor or department for details.	Seats (Total: 5)

INAG199C **Special Problems**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

INAG204 **Business Management**

Credits: 3 Grading Method: Regular

0101	Meredith Epstein MWF 12:00pm - 12:50pm	Seats (Total: 27) JUL 1105

INAG206 **Business Law**

Credits: 3 Grading Method: Regular, Audit

0101	Michael Grady, Glori Hyman W 5:30pm - 8:30pm	Seats (Total: 30) JUL 1123

INAG207 **Power Machinery**

Credits: 3 Grading Method: Regular

0101	Roy Walls	Seats (Total: 14)	
	Tu 9:00am - 10:50am	ANS 0504	
	Th 8:00am - 10:50am	ANS 0504	Lab

INAG213 **Crop Production Practices**

Credits: 3 Grading Method: Regular, Audit

Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department.

0101	Meredith Epstein	Seats (Total: 22)	
	Th 2:00pm - 5:00pm	JUL 1105	

INAG214 **Agronomic Principles of Golf Turf Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: INAG107; or PLSC305. Restriction: Must be in a major within the AGNR-Institute of Applied Agriculture department; or must be in one of the following programs (Plant Sciences; Plant Sciences: Horticulture & Crop Production; Plant Sciences: Landscape Management; Plant Sciences: Plant Science; Plant Sciences: Turf & Golf Course Mgmt; Plant Sciences: Urban Forestry) ; or permission of instructor. Additional information: Enrollment priority is given to students within the Institute of Applied Agriculture (IAA) and the Plant Science and Landscape Architecture Department.

An in-depth study of golf course management practices such as turfgrass selection, fertilization, mowing, irrigation, and cultivation practices. Weed control programs will be discussed in detail for the different playing surfaces on the golf course. Field plot work, laboratory work, and field trips will reinforce lecture material.

0101	Justin Mathias	Seats (Total: 20)	
	M 11:00am - 12:50pm	JUL 1111	
	WF 12:00pm - 12:50pm	JUL 1123	Lab

INAG215 **Business Management Principles for Turf Facilities**

Credits: 3 Grading Method: Regular, Audit

Recommended: INAG107; or PLSC305. Restriction: Must be in a major within the AGNR-Institute of Applied Agriculture department; or must be in one of the following programs (Plant Sciences; Plant Sciences: Horticulture & Crop Production; Plant Sciences: Landscape Management; Plant Sciences: Plant Science; Plant Sciences: Turf & Golf Course Mgmt) ; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Enrollment priority is given to students majoring in Turfgrass and Golf Course Management in the Institute of Applied Agriculture and Plant Science and Landscape Architecture.

An advanced course in turfgrass management with emphasis on development of maintenance operating budgets for labor, fertilization, pest control, and supplemental cultural practices for golf courses and athletic field facilities. An overview of the current trend in golf course design and construction and in athletic field construction practices will be covered. Students will be responsible for a presentation concerning some phase of turfgrass management relating to golf course or athletic field operations.

0101	Justin Mathias MW 2:00pm - 3:50pm	Seats (Total: 20) JUL 2120

INAG224 Greenhouse and Production Management

Credits: 3 Grading Method: Regular, Audit

0101	Kenneth Ingram TuTh 11:00am - 1:00pm	Seats (Total: 15) JUL 1111

INAG235 Irrigation and Drainage

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of instructor. Also offered as: PLSC235. Credit only granted for: INAG235, PLSC235 or PLSC489I. Formerly: PLSC489I. Additional information: Priority enrollment will be given to IAA and PLSC majors. By permission for available seats.

An overview of U.S. and state water doctrines and plant water use rates Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

0101	Justin Mathias TuTh 11:00am - 1:00pm *Open to AGNR and IAA students only.*	Seats (Total: 22) JUL 1123

INAG248 Topics in Sustainable Agriculture

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

0101	Meredith Epstein Tu 6:00pm - 7:50pm	Seats (Total: 20) JUL 1123

INAG250 **Fundamentals of Agricultural Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of AGNR-Institute of Applied Agriculture department. Also offered as: PLSC204, PLSC204. Credit only granted for: ENBE200 or PLSC204 or INAG250. Formerly: ENBE200. Additional information: Priority given to IAA majors and AGNR students whose major requires this course. Permission will be granted to other students on seats available basis.

A comprehensive course that teaches the fundamentals of agricultural related mechanics. Lecture and lab exercises will cover the broad range of topics associated with agricultural mechanics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation including development of safety protocols for each area of study and introduction of GPS equipment and software for survey data collection.

0101	Roy Walls MW 2:00pm - 5:00pm	Seats (Total: 10) ANS 0504

INAG299A **Supervised Work Experience; Internship I**

Credits: 1 Grading Method: Sat-Fail

Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**

Credits: 1 Grading Method: Regular

Contact department for information to register for this course.

INFM Information Management Spring 2015

INFM600 **Information Environments**

Credits: 3 Grading Method: Regular, Audit

Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Instructor: TBA M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109
SG01	Jessica Vitak Tu 6:00pm - 8:45pm *Class will meet on campus, Tuesday, January 27th and May 12.*	Seats (Total: 30) BLD3 2203

INFM603 **Information Technology and Organizational Context**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not have completed LBSC690.

Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

SG01	Douglas Oard Th 6:00pm - 8:45pm	Seats (Total: 30) BLD3 3203

INFM605 **Users and Use Context**

Credits: 3 Grading Method: Regular, Audit

Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

SG01	Howard Killam M 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4225

INFM612 **Management of Information Programs and Services**

Credits: 3 Grading Method: Regular, Audit

Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

SG01	Taverekere Srikantaiah	Seats (Total: 30)
	W 6:00pm - 8:45pm	BLD3 3219

INFM620 **Introduction to Strategic Information Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM612; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

SG01	Vikas Sahasrabudhe	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INFM700 **Information Architecture**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603; or permission of instructor.

Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Katy Lawley	Seats (Total: 30)
	Th 6:00pm - 8:45pm	PLS 1113

INFM711 **Financial Management of Information Projects**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM600; and must have completed or be concurrently enrolled in INFM612.

Techniques and strategies of planning and executing successful projects Project budgets, work breakdown structures and scheduling techniques, earned value, tracking and reporting project costs, risk management, best practices, and cost/benefit analysis.

0101	Brian Butler	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 0108

INFM719 **Independent Study**

Credits: 1-3 Grading Method: Regular

Intensive individual study under faculty supervision.

Contact department for information to register for this course.

INFM732 **Information Audits and Environmental Scans**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM600; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM730, INFM731, or INFM732.

Techniques to assess the information needs of an organization to meet its strategic objectives. Methods of identifying information sources and gaps and of scanning the internal and external environment to identify changes that affect the organization. Application of information audits and environmental scans in strategic information management.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	Th 2:00pm - 4:45pm	HBK 4115

INFM736 **Information Management Experience**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: INFM600; and INFM612; and INFM605; and INFM603. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Information issues within organizational frameworks. Integrated experiential learning opportunity.

SG01	Instructor: TBA	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

INFM737 **Information Management Capstone Experience**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: INFM736; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Additional information: Taken near the end of student's program.

In-depth problem analysis and resolution. Capstone project.

0101	Instructor: TBA	Seats (Total: 40)
	Tu 6:00pm - 8:45pm	HBK 0103

0201	Instructor: TBA W 2:00pm - 4:45pm	Seats (Total: 40) HBK 2119

INFM750 **From Data to Insights**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603 and INST737; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM750.

Application of data science techniques to unstructured, real-world datasets including social media and geo-referenced sources. Techniques and approaches to extract information relevant for experts and non-experts in areas that include smart cities, public health, and disaster management.

0101	Instructor: TBA Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0115

INFM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

INST Information Studies Spring 2015

INST611 **Privacy and Security in a Networked World**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST611.

Evolving conceptualization of privacy and security issues in light of technological developments in the 21st century. Analysis of legal, ethical, design, and socially constructed challenges that organizations and individuals face when developing privacy and security solutions.

0101	Jessica Vitak W 2:00pm - 4:45pm	Seats (Total: 30) PLS 1162

INST612 **Information Policy**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: INST612 or LBSC625. Formerly: LBSC625.

Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

0101	Instructor: TBA W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109
SG01	John Shuler Class time/details on ELMs	Seats (Total: 25) ONLINE

INST614 **Information Literacy, Inclusion, and the Public Good**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

The educational and psychological dimensions of helping and supporting new users to become information literate and experienced users to remain engaged.

0101	Paul Jaeger Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

INST621 **Managing Digital Innovations in Organizations**

Credits: 3 Grading Method: Regular

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM718Z or INST621. Formerly: INFM 718Z.

Students will learn the main theoretical perspectives on managing digital innovations, become familiar with current best practices of innovating with IT, and develop innovation skills in various organizational settings such as project teams, functional departments, organizations, communities, and society at large.

0101	Ping Wang M 2:00pm - 4:45pm	Seats (Total: 30) BPS 1228

INST627 **Data Analytics for Information Professionals**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Skills and knowledge needed to craft datasets, perform quantitative and qualitative analyses, and develop information resources that bridge the gap between raw data and decision makers' needs.

0101	Instructor: TBA Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
0201	Instructor: TBA Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INST630 **Introduction to Programming for the Information Professional**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

An introduction to computer programming intended for students with no previous programming experience. Topics include fundamentals of programming and current trends in user interface implementation that are relevant to information professionals.

0101	Instructor: TBA M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0103

INST631 **Fundamentals of Human-Computer Interaction**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST630; or programming experience; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST631 or LBSC795. Formerly: LBSC795.

Principles of human-human and machine-machine communication as a basis for models of human-computer communication. Issues related in input/ output devices, conceptual models, levels of control, metaphor and personification, adaptability, and intensionality/extensionality.

0101	Marshini Chetty W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

INST640 **Principles of Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Principles for the design and implementation of long-term curation of digital data and information assets, including born-digital and digitized assets. Frameworks for analysis of technical, practical, economic, legal, social and political factors affecting digital curation decisions. Case studies of specific digital curation scenarios.

0101	Instructor: TBA	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	TYD 2109

INST641 **Policy Issues in Digital Curation**

Credits: 3 Grading Method: Regular

Prerequisite: INST640; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Discussion of strategies to address intellectual property, privacy, security and other policy concerns raised by the curation of digital records and data.

0101	Katie Shilton	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 1112

INST644 **Introduction to Digital Humanities**

Credits: 3 Grading Method: Regular

Restriction: Permission of INFO-College of Information Studies.

A survey of the history, methods, and principal topics of the Digital Humanities, examined from theoretical and applied perspectives.

0101	Kari Kraus	Seats (Total: 30)
	W 2:00pm - 4:45pm	PHY 1402

INST660 **21st Century Leadership**

Credits: 3 Grading Method: Regular, Audit

Recommended: INFM612 or LBSC635. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST660, LBSC708F or INFM718F.

Using a combination of research, literature and current practice, the course explores topics basic to the understanding and practice of leadership.

SG01	Ann Prentice	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST702 **Advanced Usability Testing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of instructor; or (INFM605 or INST631). Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM702 or INST702. Formerly: INFM702.

Usability testing methods -- how to design and implement them both for desktop and mobile sites. Students will learn the complex process of facilitating usability testing and how to synthesize test data into a report.

0101	Vera Rhoads Tu 6:00pm - 8:45pm	Seats (Total: 30) PLS 1111

INST706 **Project Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.

Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.

SG01	Vikas Sahasrabudhe Tu 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4215

INST709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

0101	Jennifer Preece Contact instructor or department for details.	Seats (Total: 5)
2301	Marshini Chetty Contact instructor or department for details.	Seats (Total: 5)

4801	Kent Norman Contact instructor or department for details.	Seats (Total: 3)

INST728P **Special Topics in Information Studies; Information Professionals As Change Agents**

Credits: 3 Grading Method: Regular, Audit

Selected topics in information studies.

0101	Brian Butler M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

INST733 **Database Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC690; and permission of INFO-College of Information Studies. Credit only granted for: INST733 or LBSC793. Formerly: LBSC793.

Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

0101	Vedat Diker Tu 2:00pm - 4:45pm	Seats (Total: 30) COL 0100
SG01	Vedat Diker Class time/details on ELMs	Seats (Total: 20) ONLINE

INST736 **Computational Linguistics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING723 or CMSC723; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Also offered as: CMSC773, LING773. Credit only granted for: INST736, INST728C, CMSC773, LING773, or LBSC774.

Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik W 1:30pm - 4:00pm	Seats (Total: 30) WDS 0104

INST737 **Digging Into Data**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC690, LBSC671, or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

An exploration of some of the best and most general approaches to get the most information out of data through clustering, classification, and regression techniques.

SG01	Instructor: TBA Tu 6:00pm - 8:45pm	Seats (Total: 30) BLD2 3012

INST742 **Implementing the Curation and Management of Digital Assets**

Credits: 3 Grading Method: Regular

Prerequisite: INST640; or permission of instructor. Restriction: Election of the Digital Curation Specialization; and permission of INFO-College of Information Studies.

Management of and technology for application of digital curation principles in specific settings. Characteristics, representation, conversion, and preservation of digital objects. Application of standards for digitization, description, and preservation. Planning for sustainability, risk mitigation and disaster recovery.

0101	Robert Spangler Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INST767 **Big Data Infrastructure**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST737; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Principles and techniques of data science and business intelligence. Technologies and architectures for large-scale data warehousing and scale-out data analytics platforms. Supervised and unsupervised data mining.

0101	Jimmy Lin M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

INST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0801	Douglas Oard Contact instructor or department for details.	Seats (Total: 3)
1301	Jennifer Golbeck Contact instructor or department for details.	Seats (Total: 4)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
2201	Leah Findlater Contact instructor or department for details.	Seats (Total: 3)
4301	Ben Bederson Contact instructor or department for details.	Seats (Total: 3)

INST809 **Individualized Teaching Experience**

Credits: 3-5 Grading Method: Regular, Audit

Introduction to the techniques and challenges associated with design, delivery, and evaluation of couses offered at the University level. The doctoral student will work one-on-one with a faculty member in the development and co-teaching of a graduate level course.

0101	Jennifer Preece Contact instructor or department for details.	Seats (Total: 5)
0301	Brian Butler Contact instructor or department for details.	Seats (Total: 3)
1101	Paul Jaeger Contact instructor or department for details.	Seats (Total: 5)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
1701	John Bertot Contact instructor or department for details.	Seats (Total: 4)

2701	Mega Subramaniam Contact instructor or department for details.	Seats (Total: 3)

INST810 **Individual Research Experience**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.

Pre-candidacy individual research experience directed by a faculty member.

0101	Jennifer Preece Contact instructor or department for details.	Seats (Total: 5)
0201	Jimmy Lin Contact instructor or department for details.	Seats (Total: 5)
0301	Brian Butler Contact instructor or department for details.	Seats (Total: 5)
0501	Allison Druin Contact instructor or department for details.	Seats (Total: 5)
1301	Jennifer Golbeck Contact instructor or department for details.	Seats (Total: 5)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
2401	Jessica Vitak Contact instructor or department for details.	Seats (Total: 4)
2701	Mega Subramaniam Contact instructor or department for details.	Seats (Total: 4)

INST888 **Doctoral Seminar**

Credits: 3 Grading Method: Regular, Audit

Advanced seminar on selected topics in information studies.

0101	Paul Jaeger M 2:00pm - 4:45pm	Seats (Total: 25) HBK 4113

INST898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ISRL Israel Studies Spring 2015

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL329A **Special Topics in Israel Studies; Israel and the Arab Spring**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

An exploration of the Arab Spring and its impact on Israel, discussing the reactions of diverse segments of Israeli society to these events. We will survey regional developments related to the Arab Spring, focus on emerging theoretical approaches in an effort to contextualizing them, and address their broader impact on Israeli approaches to the Middle East. The course will review prevailing attitudes of both Arab governments and societies toward Israel, along with Israeli perceptions of Arab countries.

0101	Instructor: TBA	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0123

ISRL329D **Special Topics in Israel Studies; Understanding the Israeli-Palestinian Conflict through Opposing Histories**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Not open to students who have taken ISRL289I. Credit will be granted forHONR338A or ISRL329D. Israelis and Palestinians have been fighting over the Land of Palestine (aka Land of Israel) for over a century, but both sides date their relationship to the Land back many centuries, even millenia. We will look at the history but especially the "narratives" that the two sides employ to explain and justify, both to themselves and others, their claims to the land, and how these narratives have both molded the shape of the conflict and been molded by it, and changed over time. This is not solely a history course, though it will cover the relevant history. It will focus on the importance of narratives to the continuation of the conflict, as well as elements relating to identity, religion, archaeology, morality, and human rights.No previous knowledge is expected, but those with such knowledge will find it useful.

0101	Paul Scham	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SQH 2122

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Contact department for information to register for this course.

ISRL349J **Investigating Topics in Israel Studies; Diversity, Education and Nation-building in Israel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Since Israel was established in 1948, the education system has played a major role in developing the Israeli identity. We will examine dominant discourses and debates pertaining to Israeli cultural identity, such as the centrality of the Holocaust, security issues, minorities, religious education, role of literature in national narrative, the role of politics in citizenship education and contemporary debates over History education. Also offered as SOCY398J. Credit will only be granted for ISRL349J or SOCY398J.

0101	Pnina Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	SQH 1111

ISRL349M **Investigating Topics in Israel Studies; Israel: History, Sociology, and Art**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Also offered as SOCY398I. Credit granted for ISRL349M or SOCY398I. Israel's cultural history through the lenses of sociology, history, and art. In examining the cultural diversity and multiple identities that characterize Israeli society, the course will provide keys to understand the place of immigration waves that shaped its demographic, social, and political structure.

0101	Pnina Peri	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SQH 1111

ISRL369C **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ISRL369I **Special Topics in Study Abroad; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search For Common Ground**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ISRL448A **Seminar in Israel Studies; Israeli Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.

Also offered as GVPT399G. Credit will be granted for GVPT399G or ISRL448A. An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israel's history. Some previous knowledge of Israeli politics desirable.

0101	Yoram Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	SQH 2121

ISRL448K **Seminar in Israel Studies; Blasting the Boundaries of the Israeli Canon**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.

Prerequisite: HEBR313 or permission of department. Readings are in Hebrew. Taught in English. Also offered as JWST478B and HEBR498K. Credit granted for JWST478B, ISRL448K, or HEBR498K. The production of Hebrew literature has long been tied to the forging of a new Jewish national and, ultimately, Israeli identity. Because of the demands put on literature, it has been the site of intense debates about the relationship between form, content, and the national project We will trace this debate from its inception up to the present day, examining literary works, their reception, and their re-evaluations, and will analyze how debates about the inclusion of literary works in the Israeli canon reflect changes within Israeli culture itself.

0101	Shirelle Doughty	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	SQH 1123

ITAL Italian Spring 2015

Students with no experience in the language are invited to register for ITAL103.

ITAL103 **Intensive Elementary Italian**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0201	Margherita Morando TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 20) JMZ 3120 PLS 1172
BL01	Federica Deigan MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) JMZ 3120 ONLINE
BL03	Federica Deigan MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 3120 ONLINE

ITAL121 **Accelerated Italian I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL103 or ITAL121.

An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement.

Contact department for information to register for this course.

ITAL122 **Accelerated Italian II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: HO

Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.

Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement.

Also offered as ITAL122H.

Contact department for information to register for this course.

ITAL122H **Accelerated Italian II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.

Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement.

For general honors students only. Also offered as ITAL122.

Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Margherita Morando TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 15) JMZ 3120 PLS 1172
0201	Margherita Morando TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3120 PLS 1172
BL01	Federica Deigan MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 15) JMZ 3120 ONLINE

ITAL204 **Review Grammar and Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.

An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Joseph Falvo MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0205

ITAL207 **Reading and Writing in Italian**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.

Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Stefania Amodeo MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 3203

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL301 **Italian Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.

Techniques of composition; grammatical analysis; various genres; vocabulary.

Contact department for information to register for this course.

ITAL311 **Advanced Oral Expression: Current Events**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL211; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Oral expression; development of idiomatic forms and vocabulary to level of the Italian press.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 2122

ITAL362 **Survey of Italian Society and Culture: From the 1980s to thePresent Day**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL207; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Development of Italian society and culture from the 1980s to the present. Literature, cinema, economy, popular culture, daily life. Taught in Italian.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 3203

ITAL369W **Special Topics in Study Abroad III; Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Intended for undergraduates who wish to work on an individual basis with a professor of their choice.

Contact department for information to register for this course.

ITAL399T **Directed Study in Italian; Tutoring**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Intended for undergraduates who wish to work on an individual basis with a professor of their choice.

0101	Margherita Morando	Seats (Total: 10)
	Contact instructor or department for details.	

ITAL401 **Advanced Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL301; or students who have taken courses with comparable content may contact the department.

Advanced writing practice in range of genres.

0101	Margherita Morando	Seats (Total: 20)
	Tu 3:00pm - 4:15pm	JMZ 2122
	Th 3:00pm - 4:15pm	JMZ 1122

ITAL421 **The Italian Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL421 or ITAL422.

A study of major trends of thought in Renaissance literature, art, and science. Taught in English.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 1117

ITAL431 **Italian Civilization in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL431 or ITAL432.

Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.

Contact department for information to register for this course.

ITAL475 **The Italian Opera Libretto in English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed one course in literature. Credit only granted for: ITAL475 or ITAL476.

History and analysis of Italian opera librettos from Monteverdi through Mozart to Verdi and Puccini. Taught in English.

Also offered as MUSC448L. Credit will be granted for ITAL475 or MUSC448 L.

Contact department for information to register for this course.

ITAL478R **Colloquium in Italian; The Italian Renaissance**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium section taught in Italian to accompany 400-level Italian courses taught in English. Discussion, presentations, readings.

This colloquium correlates with ITAL421-0101.

0101	Joseph Falvo W 10:00am - 10:50am	Seats (Total: 10) JMZ 1124

ITAL497 **Senior Project**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 4 courses from ITAL400-499 course range; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Individual independent study of an aspect of Italian literature, cultur or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JAPN Japanese Spring 2015

JAPN102 **Elementary Japanese II**

Credits: 6 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN101; or appropriate Foreign Language Placement Test (FLPT) score.

Continued introduction to the basic spoken patterns of contemporary Japanese.

0101	Etsuko Yamakita MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2123 JMZ 2117
0201	Etsuko Yamakita MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2123 JMZ 1122

0301	Etsuko Yamakita MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0118 JMZ 1122

JAPN202 **Intermediate Japanese II**

Credits: 6 Grading Method: Regular CORE: HO

Prerequisite: Minimum grade of C- in JAPN201; or appropriate Foreign Language Placement Test (FLPT) score.

Contemporary spoken and written Japanese.

0101	Kumiko Akikawa MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1103
0201	Kumiko Akikawa MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1103

JAPN302 **Advanced Japanese II**

Credits: 6 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN301; or permission of instructor.

Continued readings in varied modern texts and advanced conversation and oral comprehension.

0101	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1120
0201	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1226

JAPN386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

JAPN401 **Readings in Modern Japanese Literature**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.

Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

0101	Michele Mason	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	SYM 0209

JAPN425 **The Atomic Bomb in Literature and Memory**

Credits: 3 Grading Method: Regular General Education: DSHU

Credit only granted for: JAPN498A or JAPN425. Formerly: JAPN498A. Additional information: Taught in English.

Study of declassified documents and commentary on the United States decision to use the bomb in 1945, the many ways Japanese writers have attempted to express their indescribable experiences in Hiroshima and Nagasaki, and the shaping of historical narratives and national identities in post-war Japan and the U.S.

0101	Michele Mason	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 3205

JAPN428B **Seminar in Japanese Discourse and Conversation Analysis; Business Discourse**

Credits: 3 Grading Method: Regular

Presentation and discussion of classic and current readings in English and Japanese on theories and actual practice of discourse and conversation analysis. Students will learn transcription techniques and have an opportunity to apply them in a final term paper.

Prequisite: Completion of JAPN 302 with a C or better, concurrent enrollment in JAPN 302, or permission of the instructor. Satisfies the linguistics requirement for the Japanese major and minor. This course will introduce Japanese business language and practices from a cross-cultural, cross-linguistic perspective and is designed for intermediate to advanced level learners. Class discussions in English and Japanese will be based on oral and written samples of authentic discourse, along with material drawn from relevant fields including pragmatics, conversation and discourse analysis, anthropological linguistics, and ethnomethodology.

0101	Lindsay Yotsukura	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2122

JAPN499 **Directed Study in Japanese**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

JOUR Journalism Spring 2015

JOUR106 **Introduction to Studio Production**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Additional information: Course does not count toward a Journalism degree.

Students will participate in various production roles to assist in the production of UMTV shows.

0101	Manny Fantis **Meets January 26, 2015 - March 13, 2015** M 7:00pm - 8:40pm	Seats (Total: 14) TWS 0117
0201	Manny Fantis **Meets March 23, 2015 - May 12, 2015** M 7:00pm - 8:40pm	Seats (Total: 14) TWS 0117

JOUR130 **Self-Presentation in the Age of YouTube**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.
Additional information: May not count toward the Journalism major.

Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.

0101	Renee Poussaint TuTh 3:30pm - 4:45pm	Seats (Total: 22) KNI 1103

JOUR150 **Introduction to Mass Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSSP

Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Additional information: Not applicable toward journalism major.

Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

0101	Ronald Yaros TuTh 11:00am - 12:15pm	Seats (Total: 67) KNI 1208	

JOUR175 **Media Literacy**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: IE, D	General Education: DSSP, DVUP

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Carole Lee, Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 TYD 0111	Discussion
0201	Carole Lee, Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 ASY 3221	Discussion
0301	Instructor: TBA Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 KEY 0119	Discussion
0401	Susan Moeller, Carole Lee Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 ASY 3211	Discussion
0501	Instructor: TBA Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KEY 0124	Discussion
0601	Carole Lee, Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KNI 3202	Discussion

0701	Susan Moeller, Carole Lee Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KNI 3202	 Discussion
0801	Carole Lee, Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 BPS 1238	 Discussion

JOUR181 **Grammar for Journalists**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENGL181, ENGL281, or JOUR181.

An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

0101	Linda Coleman W 3:30pm - 4:20pm	Seats (Total: 144) JMZ 0220

JOUR199 **Survey Apprenticeship**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

College-monitored experience in approved mass-communications organizations and industries.

Prerequisite: permission of department. Repeatable to 6 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in KNI 1100 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 35)

JOUR200 **Journalism History, Roles and Structures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduction to the study of journalism from the standpoint of media history and sociology.

0101	Justin Hudson TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1105

0201	Saranaz Abdollahzadeh Barforoush TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0301	Carl Stepp MW 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0501	Justin Hudson TuTh 9:30am - 10:45am	Seats (Total: 30) KNI 1105

JOUR201 **News Writing and Reporting I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.

Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

For students intending to be journalism majors.

0101	Merrilee Cox TuTh 5:00pm - 6:50pm	Seats (Total: 18) KNI 2107
0201	David Lightman TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Tamara Cooke Henry MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101
0401	Daniel Jacobs TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0501	Instructor: TBA MW 5:00pm - 6:50pm	Seats (Total: 18) KNI 2103
0601	Instructor: TBA TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101

0801	Christine Harvey MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2103
0901	Kathy Gambrell, Sandra Banisky TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 1101
1001	Tamara Cooke Henry MW 4:00pm - 5:50pm	Seats (Total: 18) KNI 2107

JOUR202 **News Editing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Copy editing, graphic principles and processes, new media technology.

0101	Sharon O'Malley TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0201	Sharon O'Malley TuTh 4:00pm - 5:50pm	Seats (Total: 18) KNI 1101
0301	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 1101

JOUR203 **Introduction to Multimedia Skills**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.

Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Jaclyn Borowski Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2107

0301	Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 18) KNI 2107
0401	Jonathan Sham W 12:00pm - 2:45pm	Seats (Total: 18) KNI 1101

JOUR262 **News Videography**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Charles MacDonald TuTh 7:00pm - 8:50pm	Seats (Total: 10) KNI 3210
0201	Albert Calogero MW 7:30pm - 9:20pm	Seats (Total: 10) KNI 3210
0301	Bethany Swain MW 10:00am - 11:50am	Seats (Total: 10) TWS 0222A
0401	Kevin Johnson TuTh 7:30pm - 9:20pm	Seats (Total: 10) TWS 0222B
0501	Sean Filburn MW 10:00am - 11:50am	Seats (Total: 10) TWS 0222B
0601	Bethany Swain MW 12:00pm - 1:50pm	Seats (Total: 7) TWS 0222A
0701	Instructor: TBA TuTh 10:00am - 11:50am	Seats (Total: 10) TWS 0222B

JOUR289E **Media Law and Ethics in the Digital Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

0101	Sandra Banisky TuTh 12:30pm - 1:45pm	Seats (Total: 70) KNI 1208
	This course is intended for non-journalism majors. Explore the First Amendment, libel, privacy, FOIA and copyright as they evolved in the digital news age of bloggers, tweeters, and citizen journalists. This course will cover fundamental legal and ethical concepts as well as practical application.	

JOUR289F **Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSHU, SCIS

Examining the rise of social media and their impact on culture, business, government, politics, journalism and society, this course provides students with a broad contextual understanding of the multidisciplinary impacts of social media such as Twitter, Facebook and similar Internet-based services.

0101	Leslie Walker MW 2:00pm - 3:15pm	Seats (Total: 67) KNI 1208

JOUR289J **Probing War: Investigative Narratives and American Conflicts**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU, SCIS

0101	Christopher Hanson MW 11:00am - 12:15pm	Seats (Total: 25) KNI 1103

JOUR300 **Journalism Ethics**

(Perm req)

Credits: 3 | Grading Method: Regular

Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Examination of ethical problems in news writing and reporting.

0101	Adrianne Flynn MW 9:30am - 10:45am	Seats (Total: 25) KNI 1105
0201	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 25) KNI 1103
0301	Diana Huffman TuTh 11:00am - 12:15pm	Seats (Total: 25) KNI 1105

0401	Merrilee Cox TuTh 11:00am - 12:15pm	Seats (Total: 25) KNI 3202

JOUR320 **News Writing and Reporting II: Multiplatform**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

Due to rigorous publication requirement, students should time manage their semester accordingly.

0201	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Steven Overly MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107
0401	Elaine Povich TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 1101

JOUR324 **Commentary and Editorial Writing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326.

Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 1206

JOUR325 **Capital News Service Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism.

Advanced journalism training. Students report as part of College's Capital News Service program.

Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201. College Park students should enroll in section 0301.

0101	Thomas Linthicum Contact instructor or department for details.	Seats (Total: 10)
0201	Karen Denny Contact instructor or department for details.	Seats (Total: 10)
0301	Sean Mussenden Contact instructor or department for details.	Seats (Total: 10)

JOUR327 **Urban Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627.

Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 5) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite JOUR320. Department permission required.

0101	Kevin Blackistone TuTh 9:45am - 11:00am	Seats (Total: 15) KNI 1206

JOUR328I **Special Topics in News Writing and Reporting; Advanced Public Affairs Reporting/Investigative Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite: JOUR320; and permission of instructor. Students will investigate human trafficking and work in teams to produce a multimedia project for publication.

0101	Deborah Nelson M 1:00pm - 3:45pm	Seats (Total: 6) KNI 2107

JOUR328X **Special Topics in News Writing and Reporting; Beyond Breaking New: In-Depth Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite: JOUR320. Permission of JOUR-Philip Merrill College of Journalism. Students will report and write profiles, analyses, narratives and other story forms to provide readers with clear, comprehensive and engaging news coverage that provides context for-- and deepens our understanding of--events and issues in the news.

0101	Marlene Cimons Tu 4:00pm - 6:45pm	Seats (Total: 8) KNI 2105

JOUR350 **Multimedia Presentation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373.

An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 1101
0201	George Lanum MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

JOUR352 **Intermediate Multimedia Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Instructor: TBA Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0201	Alexander Pyles F 10:00am - 12:45pm	Seats (Total: 18) KNI 1101
0301	Instructor: TBA M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103
0401	Mark Smith M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0601	Mark Young Th 6:30pm - 9:15pm	Seats (Total: 14) KNI 2105

JOUR353 **News Bureau: Multimedia Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit General Education: DSSP

Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360).

Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling.

Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details. *This section is for College Park Students.*	Seats (Total: 6)
0201	Karen Denny Contact instructor or department for details. *This section is for Annapolis students.*	Seats (Total: 6)
0301	Thomas Linthicum Contact instructor or department for details. *This section is for Washington DC students.*	Seats (Total: 6)

JOUR354 **Interactive Multimedia Storytelling**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR352. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Corey Kliewer M 7:00pm - 9:45pm	Seats (Total: 5) TWS 0222A

JOUR360 **News Writing and Reporting II: Broadcast**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Writing and reporting for broadcast media: production of news stories.

0101	Renee Poussaint TuTh 12:45pm - 2:00pm	Seats (Total: 18) KNI 2103
0201	Cassandra Clayton MW 12:00pm - 1:15pm	Seats (Total: 18) KNI 2105
0401	Cassandra Clayton MW 2:00pm - 3:15pm	Seats (Total: 16) KNI 2105

JOUR361 **Television Reporting and Production**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR262 and JOUR360.

Writing and editing for the broadcast media. Interpretive and documentary news stories.

Students will spend several hours per week on field assignments, in addition to scheduled class sessions.

0301	Instructor: TBA MW 12:00pm - 1:50pm	Seats (Total: 10) TWS 0222B

0401	Instructor: TBA MW 2:00pm - 3:50pm	Seats (Total: 10) TWS 0222B	
0501	Instructor: TBA MW 10:00am - 11:50am	Seats (Total: 10) KNI 1101	
0601	Christopher Shlemon, John DeDakis TuTh 5:00pm - 6:50pm	Seats (Total: 9) TWS 0222A	

JOUR362 **Broadcast News Producing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR262 and JOUR360; and must have completed or be concurrently enrolled in JOUR361.

Producing TV news.

0102	Cindy Wright Tu 7:15pm - 9:15pm Tu 2:00pm - 7:00pm	Seats (Total: 2) TWS 0222A TWS 0117	 Lab
0103	Cindy Wright Tu 7:15pm - 9:15pm W 2:00pm - 7:00pm	Seats (Total: 2) TWS 0222A TWS 0117	 Lab

JOUR363 **Long Form Broadcast Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR663. Credit only granted for: JOUR363, JOUR486 or JOUR663. Formerly: JOUR486.

Production of long form broadcast news reporting, reality videos or documentaries.

0101	Mark Feldstein M 3:45pm - 6:30pm	Seats (Total: 4) KNI 1101	

JOUR364 **Radio Broadcasting**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R.

Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.

0101	Jamie Forzato	Seats (Total: 12)
	Th 1:15pm - 4:00pm	KNI 2107

JOUR367 **Broadcast News Bureau**

(Perm req)

Credits: 6

Grading Method: Regular, Audit

General Education: DSSP

Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.

Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef	Seats (Total: 10)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR262, JOUR360 and JOUR361 or permission of department.

0101	David Owens	Seats (Total: 12)
	M 10:00am - 12:45pm	KNI 2109

JOUR368M **Topics in Broadcast and Electronic Media; Multimedia Mobile Journalism**

(Perm req)

Credits: 3

Grading Method: Regular

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisites: JOUR203; JOUR320 or JOUR360. permission of JOUR-Philip Merril College of Journalism. In many ways, multimedia content is collected, presented and consumed differently than content presented on web sites. This class focuses exclusively on these processes by exploring the best apps and the best practices for today's mobile journalist.

0101	Ronald Yaros TuTh 12:30pm - 1:45pm	Seats (Total: 12) KNI 3200

JOUR368T **Topics in Broadcast and Electronic Media; On-Camera Performance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR262 and JOUR360. This course will help students gain the knowledge, polish and confidence to perform professionally on camera, as they develop their broadcast skills in anchoring, doing stand-ups, and interviewing. They will also learn how to use their voices as tools of journalistic expression how to track with authority and emotion.

0101	Cassandra Clayton M 4:00pm - 6:45pm	Seats (Total: 10) KNI 2105

JOUR368V **Topics in Broadcast and Electronic Media; Advanced Video Storytelling**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR361 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Bethany Swain M 3:00pm - 5:45pm	Seats (Total: 7) TWS 0222A

JOUR370 **Photojournalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320 or JOUR360. Credit only granted for: JOUR 368P, JOUR 370 or JOUR 670. Formerly: JOUR 368P. Additional information: Students are required to borrow, rent or purchase a 35mm digital camera. Contact department for camera specifications.

Examining the basics of shooting, editing and storytelling with still photos taken with 35mm digital cameras. Students shoot portraits, feature photos and action shots. Final project is a photo story/essay.

0101	John Davidson Th 5:00pm - 6:15pm Tu 3:30pm - 4:45pm	Seats (Total: 12) KNI 1208 KNI 2103	 Lab
0201	John Davidson Th 5:00pm - 6:15pm Tu 5:00pm - 6:15pm	Seats (Total: 9) KNI 1208 KNI 2103	 Lab

JOUR371 **Feature Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320.

Research and writing feature articles.

0201	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 18) KNI 1206

JOUR381 **Media Industry Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR681. Credit only granted for: JOUR381 or JOUR681.

Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Jody Brannon, Leslie Walker TuTh 11:00am - 12:50pm	Seats (Total: 9) KNI 2107
0201	Leslie Walker, Jody Brannon TuTh 11:00am - 12:50pm	Seats (Total: 9) KNI 2107

JOUR396 **Supervised Internship**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.

Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.

0101	Adrianne Flynn	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR398 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Individual projects in journalism.

Contact department for information to register for this course.

JOUR399 **Supervised Internship; Supervised Internship**

(Perm req)

Credits: 1 Grading Method: Regular

Supervised news internship experience; relation of academic training to professional experience.

Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Adrianne Flynn	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher.

Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

0101	Diana Huffman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KNI 1208

0201	Deborah Nelson MW 5:00pm - 6:15pm	Seats (Total: 40) KNI 1208

JOUR451 **Advertising and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing or higher.

Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0201	Kelly Stepno Th 9:00am - 11:45am	Seats (Total: 15) KNI 3200

JOUR452 **Women in the Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452.

Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Linda Steiner TuTh 9:30am - 10:45am	Seats (Total: 35) KNI 1208

JOUR453 **News Coverage of Racial Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Restriction: Junior standing or higher.

Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

0101	Anne Rosen TuTh 9:30am - 10:45am	Seats (Total: 25) KNI 3202

JOUR455 **Media Entrepreneurship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: JOUR459E or JOUR455. Formerly: JOUR459E.

Basic business and entrepreneurship concepts will be covered and will explore how technology is transforming the business of media. Students develop and pitch ideas for media businesses, learn startup basics, do exercises in Internet advertising and business plan analysis, use social networks and other digital communication tools, and perform other hands-on exercises in business development and presentation.

PCJ1	David Cross	Seats (Total: 15)
	Sa 1:30pm - 5:15pm	KNI 1101
	The class is open to students in the graduate multimedia certificate program. It meets 12 times in the spring, beginning Jan. 31 and ending May 9. No class on March 21 (spring break), April 4 or April 18.	

JOUR456 **Literature in Journalism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673.

From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Miranda Kennedy	Seats (Total: 18)
	Tu 9:15am - 12:00pm	KNI 3200

JOUR458B **Special Topics in Journalism; Sports Media Today**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Issues of special concerns and current interest.

Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating that news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored. Restriction: Junior Standing or higher.

0101	Chartese Burnett	Seats (Total: 33)
	Th 6:15pm - 9:00pm	KNI 3202

JOUR459B **Special Topics in Journalism; European Mass Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459F **Special Topics in Journalism; Media in War and Crisis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459G **Special Topics in Journalism; Sports, Society, Culture and the Media**

Credits: 3 Grading Method: Regular

Issues of special concern and current interest. Open to all students.

Restriction: Junior Standing or higher.

0101	George Solomon	Seats (Total: 15)
	M 12:00pm - 2:45pm	KNI 1206

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459L **Special Topics in Journalism; European Mass Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR462 **Professional Seminar in Public Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.

Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Instructor: TBA M 10:00am - 12:45pm	Seats (Total: 10) KNI 3202

JOUR470 **Journalism and Public Communication Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR470 or JOUR477. Formerly: JOUR477.

Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 2105

JOUR472 **Computer-Assisted Reporting**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: JOUR320 or JOUR360.

Computer and online data acquisition; analytical methods for writing and reporting news.

Students must contact Ira Chinoy (ichinoy@umd.edu) for permission to register.

0101	Daniel Keating TuTh 9:00am - 10:50am	Seats (Total: 5) KNI 2107

JOUR479D **Special Topics in Data Gathering and Analysis; Storytelling with Data Visualization**

(Perm req)

Credits: 3 Grading Method: Regular

Special research topics for reporting and writing.

Prerequisite: A university statistics course. Students must contact the instructor for permission to register (nad@umd.edu). This course covers the use of data visualization as a method to communicate news stories (narrative visualization) and as a way to find new news stories (visual analytics) in a journalism context. Students will learn core concepts of visualization like how to apply theories of perception, color, and visual mapping, while also practicing design skills, and implementing interactive data visualizations using both off-the-shelf tools as well as custom-built code.

0101	Instructor: TBA M 1:00pm - 3:45pm	Seats (Total: 6) KNI 1101

JOUR479E **Special Topics in Data Gathering and Analysis; Reporting on the Economy**

(Perm req)

Credits: 3 Grading Method: Regular

Special research topics for reporting and writing.

Prerequisite: Must have completed a university statistics course. Designed for journalism and non-journalism undergraduate students, will examine the U.S. economy works and how to find new in business, market and government data sources.

0101	Rob Wells TuTh 2:00pm - 3:15pm	Seats (Total: 17) KNI 2105

JOUR479M **Special Topics in Data Gathering and Analysis; Understanding Social Media Use in Journalism**

(Perm req)

Credits: 3 Grading Method: Regular

Special research topics for reporting and writing.

Prerequisite: A university statistics course. Students will examine how social media, key "influencers," and crowd sourcing play a role in journalism. They study research methods appropriate for understanding this intersection of social media and news, and they will explore the application of social media tools to maximize the reach and impact of news reporting

0101	Instructor: TBA W 4:15pm - 7:00pm	Seats (Total: 18) KNI 2105

JOUR479O **Special Topics in Data Gathering and Analysis; Understanding Audiences**

(Perm req)

Credits: 3 Grading Method: Regular

Special research topics for reporting and writing.

Prerequisite: Must have completed a university statistics course. As journalism evolves, it may be more improtant than ever to understand what were once simply called "audiences"- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

0101	Boya Xu MW 10:00am - 11:15am	Seats (Total: 18) KNI 2105

JOUR480 **Capstone Colloquium: The Business of News**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and junior standing or higher; and permission of JOUR-Philip Merrill College of Journalism.

Students will learn the basic news business concepts and examine how revenue and cost structures for media businesses are evolving in new directions. Topics include basic principles and concepts that drive media businesses in the Internet age, including revenue sources, dynamics of online advertising and subscriptions, mobile media strategies, user metrics, engaging audiences, and market dynamics.

0101	Leslie Walker	Seats (Total: 76)
	Meets January 26, 2015 - March 14, 2015	
	M 6:30pm - 8:10pm	KNI 1208

JOUR532 **Humphrey Seminar II**

(Perm req)

Credits: 2

Grading Method: Regular

Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

0101	Serap Rada	Seats (Total: 12)
	F 10:00am - 1:00pm	KNI 1109

JOUR603 **News Videography**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Bethany Swain	Seats (Total: 3)
	MW 12:00pm - 1:50pm	TWS 0222A

JOUR620 **Public Affairs Reporting**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism.

Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0101	Carl Stepp	Seats (Total: 18)
	MW 10:00am - 11:50am	KNI 2107

JOUR623 **Mobile Journalism**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Students must have basic computer skills. Credit only granted for: JOUR689M or JOUR623. Formerly: JOUR689M.

A review of several mobile applications and the "hands-on" skills needed to collect and share news in the field. First, students learn how to remotely post information to blogs and social networks. Students then learn and practice the latest location-based production techniques using web services on wireless laptops and mobile devices. Students use laptops (and their own "SmartPhone") to record, edit and upload audio and video.

PCJ1	Ronald Yaros	Seats (Total: 15)
	Sa 8:30am - 12:15pm	KNI 3200
	The class is open to students in the graduate multimedia certificate program. It meets 12 times in the spring, beginning Feb. 1 and ending May 10. No class on March 22 (spring break), April 5 or April 19.	

JOUR625 **Advanced Capital News Service Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729.

Advanced journalism training. Students report as part of College's Capital News Service program.

Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

0101	Thomas Linthicum	Seats (Total: 10)
	Contact instructor or department for details.	

0201	Karen Denny	Seats (Total: 10)
	Contact instructor or department for details.	

JOUR627 **Urban Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627.

Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky	Seats (Total: 5)
	M 1:00pm - 3:45pm	Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advanced training and practice in writing and reporting news. Repeatabl to a maximum of six credits provided the content differs.

0101	Kevin Blackistone	Seats (Total: 3)
	TuTh 9:45am - 11:00am	KNI 1206

JOUR628X **Specialized Topics in News Writing and Reporting; Beyond Breaking New: In-Depth Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advanced training and practice in writing and reporting news. Repeatabl to a maximum of six credits provided the content differs.

0101	Marlene Cimons	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	KNI 2105

JOUR652 **Intermediate Multimedia Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: Offered to students enrolled in a journalism master's degree or certificate. JOUR 504 (formerly 628G) or JOUR 604 (a new course number for certificate students) is a pre- or co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues are also discussed and social media tools and ethics explored.

0201	Mark Young Th 6:30pm - 9:15pm	Seats (Total: 4) KNI 2105

JOUR654 **Advanced Interactive Multimedia Storytelling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR652; and permission of JOUR-Philip Merrill College of Journalism.

Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Corey Kliewer M 7:00pm - 9:45pm	Seats (Total: 5) TWS 0222A

JOUR655 **Advanced Online News Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism.

Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 8)

JOUR660 **Broadcast News Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.

Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0101	Cassandra Clayton MW 2:00pm - 3:15pm	Seats (Total: 2) KNI 2105

JOUR661 **Television Reporting and Production**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR603; or students who have taken courses with comparable content may contact the department. Restriction: Must not be in Journalism Studies (Doctoral) program.

Reporting, writing, editing and production of broadcast news.

0201	John DeDakis, Christopher Shlemon TuTh 5:00pm - 6:50pm	Seats (Total: 1) TWS 0222A

JOUR663 **Long Form Broadcast Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR503 or JOUR603; and JOUR661. Or students who have taken courses with comparable content may contact the department. Also offered as: JOUR363. Credit only granted for: JOUR363, JOUR486, or JOUR663. Formerly: JOUR486.

Productions of long form broadcast news reporting, reality videos or documentaries.

0101	Mark Feldstein M 3:45pm - 6:30pm	Seats (Total: 6) KNI 1101

JOUR667 **Broadcast News Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR503; or students who have taken courses with comparable content may contact the department. And permission of JOUR-Philip Merrill College of Journalism.

Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 6)

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast Producing**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

0101	Cindy Wright	Seats (Total: 3)	
	Tu 7:15pm - 9:15pm	TWS 0222A	
	Th 2:00pm - 7:00pm	TWS 0117	Lab

JOUR668T **Topics in Broadcasting and Electronic Media; On-Camera Performance**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR603 and JOUR660.

0101	Cassandra Clayton	Seats (Total: 2)
	M 4:00pm - 6:45pm	KNI 2105

JOUR668V **Topics in Broadcasting and Electronic Media; Advanced Video Storytelling**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR661 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Bethany Swain	Seats (Total: 3)
	M 3:00pm - 5:45pm	TWS 0222A

JOUR670 **Photojournalism**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR504. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR 368P, JOUR 370 or JOUR 670. Additional information: Students are required to borrow, rent or purchase a 35mm digital camera. Contact department for camera specifications.

Examining the basics of shooting, editing and storytelling with still photos taken with 35mm digital cameras. Students shoot portraits, feature photos and action shots. Final project is a photo story/essay.

0101	John Davidson	Seats (Total: 3)	
	Th 5:00pm - 6:15pm	KNI 1208	
	Tu 5:00pm - 6:15pm	KNI 2103	Lab

JOUR698 **Special Problems in Communication**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Independent study in area of the student's interest.

Contact department for information to register for this course.

JOUR698I **Special Problems in Communication; Advanced Public Affairs Reporting/Investigative Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent study in area of the student's interest.

Prerequisites: JOUR501. Students will investigate human trafficking and work in teams to produce a multimedia project for publication.

0101	Deborah Nelson	Seats (Total: 5)
	M 1:00pm - 3:45pm	KNI 2107

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

Credits: 1 Grading Method: Regular, Audit

Independent study in area of the student's interest.

0101	Sarah Oates	Seats (Total: 12)
	Contact instructor or department for details.	

JOUR762 **Professional Seminar in Public Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must not have completed JOUR462.

Examination of theoretical and practical issues in the press coverage on government and public affairs.

0101	Instructor: TBA M 10:00am - 12:45pm	Seats (Total: 10) KNI 3202

JOUR772 **Methods in Computer-Assisted Reporting**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in JOUR501; or students who have taken courses with comparable content may contact the department.

Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

Students must contact Ira Chinoy (ichinoy@umd.edu) for permission to register.

0101	Daniel Keating TuTh 9:00am - 10:50am	Seats (Total: 13) KNI 2107

JOUR776 **Qualitative Research Methods in Journalism and Public Communication**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: JOUR711 or JOUR776. Formerly: JOUR711.

Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

0101	Linda Steiner W 1:00pm - 3:45pm	Seats (Total: 8) KNI 2109

JOUR779D **Seminar in Research Problems; Storytelling with Data Visualization**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Methods of research design and analysis in specialized areas of journalism and public communication research.

Students must contact the instructor for permission to register (nad@umd.edu). This course covers the use of data visualization as a method to communicate news stories (narrative visualization) and as a way to find new news stories (visual analytics) in a journalism context. Students will learn core concepts of visualization like how to apply theories of perception, color, and visual mapping, while also practicing design skills, and implementing interactive data visualizations using both off-the-shelf tools as well as custom-built code.

0101	Instructor: TBA M 1:00pm - 3:45pm	Seats (Total: 6) KNI 1101

JOUR779E **Seminar in Research Problems; Reporting on the Economy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Methods of research design and analysis in specialized areas of journalism and public communication research.

Prerequisite: Must have completed a university statistics course. Designed for journalism and non-journalism undergraduate students, will examine the U.S. economy works and how to find new in business, market and government data sources.

0101	Rob Wells TuTh 2:00pm - 3:15pm	Seats (Total: 1) KNI 2105

JOUR798 **Master's Professional Fieldwork**

(Perm req)

Credits: 2-6 Grading Method: Sat-Fail

Research for and preparation of news articles or programs for use in th media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

JOUR801 **Advanced Public Communication Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: JOUR601; or students who have taken courses with comparable content may contact the department. Credit only granted for: JOUR601 or JOUR801.

Advanced selected survey of communication & media theory.

0101	Sarah Oates W 9:00am - 11:45am	Seats (Total: 12) KNI 2109

JOUR888 **Doctoral Professional Field Work**

Credits: 3-9 Grading Method: Regular, Audit

Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

Credits: 3-9 Grading Method: Regular, Audit

Individual research in journalism and public communication.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

JWST Jewish Studies Spring 2015

JWST219C **Special Topics in Jewish Studies; Contemporary Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219O **Special Topics in Jewish Studies; Jewish Languages in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Also offered as HEBR298O. Credit granted for JWST219O or HEBR298O. Students will explore the history and current use of a variety of languages and dialects in the American Jewish community. They will analyze how language affects identity and the relationships to the majority group, as well as within the cultural group.

0101	Avital Feuer MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) ONLINE EDU 2119

JWST219Q **Special Topics in Jewish Studies; Dead Sea Scrolls**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSHU

Also offered as RELS219Q. Credit granted for JWST219Q or RELS219Q. The popular media imagine the Dead Sea Scrolls as the source of hidden secrets and mysterious truths, but the scrolls themselves tell us more about the origins of Judaism and Christianity, and the world of the Bible at the time of Jesus and John the Baptist. Ancient texts, archaeology, and scholarly approaches to the biblical tradition and the sectarian scrolls.

0101	Maxine Grossman MW 2:00pm - 3:15pm	Seats (Total: 40) SQH 1121

JWST225 **Religions of the Ancient Near East**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Credit only granted for: JWST225, RELS219A, or HIST219I.

Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

Also offered as RELS219A and HIST219I.

0101	Matthew Suriano TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1105

JWST231 **Jewish Texts and Cultures of the Second Temple Period**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: IE, D	General Education: DSHU, DVUP

Credit only granted for: HIST219C (Fall 2005), JWST219C (Fall 2005), or JWST231.

An introduction to the literature, history, and culture of Jews in the period between the sixth century BCE and the second century CE. Special topics may include the rise of the formation of the biblical canon, scriptural interpretation, sectarian and revolutionary movements, and growth of the diaspora.

Also offered as HIST219T. Credit granted for JWST231 or HIST219T.

0101	Hayim Lapin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1103

JWST235 **History of the Jewish People II**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.

Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community.

Also offered as HIST283. Credit will be granted for HIST283 or JWST235.

0101	Lauren Strauss	Seats (Total: 40)
	M 5:30pm - 8:00pm	KEY 1117

JWST262 **Introduction to the Hebrew Bible/Old Testament**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL	General Education: DSHU

Also offered as: ENGL262. Credit only granted for: JWST262, HEBR223 or ENGL262. Formerly: HEBR223.

An exploration of the origins and compositional history of biblical literature. Critical study of texts and socio-historical analysis of their background.

Contact department for information to register for this course.

JWST272 **Introduction to Jewish Literature**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL	General Education: DSHU, DVUP

Formerly: HEBR231.

A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

Also offered as CMLT242. Credit only granted for HEBR231, JWST272, or CMLT242. Formerly: HEBR231.

0101	Adi Mahalel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	SQH 2117

JWST281 **Yiddish I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure.

Also offered as GERM148Y.

0101	Adi Mahalel	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SQH 1111

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in Jewish Studies.

Contact department for information to register for this course.

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in Jewish Studies.

Contact department for information to register for this course.

JWST324 **Biblical History and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: HIST321. Credit only granted for: HEBR333, HIST321, or JWST324. Formerly: HEBR333.

Study of the political, social, and religious development of the Jewish nation from its inception to its return from exile in Babylonia around 536 C.E. Focus on biblical texts, archeological finds, and source materials from neighboring cultures to reconstruct political history and the development of religious concepts.

Also offered as HIST321. Credit will be granted for HIST321 or JWST324.

0101	Matthew Suriano TuTh 3:00pm - 4:15pm	Seats (Total: 40) SQH 1105	

JWST345 **The Holocaust of European Jewry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: HIST307. Credit only granted for: HIST307 or JWST345.

Roots of Nazi Jewish policy in the 1930s and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	Discussion
0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 TLF 2103	Discussion
0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion

JWST369J **Special Topics in Study Abroad III; Contemprary Jewish Thought**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

JWST409C **Research Seminar in Jewish Studies; The Construction of Jewish Knowledge**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A capstone course for Jewish Studies. Guides students through advanced source material and subject matter, research skills, and presentation techniques. A substantive paper based on independent research and analysis is one expected outcome.

Prerequisite: Permission of department. We will be looking at a broad range of Jewish texts, from rabbinic to modern, from the religious to the political, from the philosophical to the fictional. We will think about heresy and secularization, about the politicized co-opting of memory in Israel, and about how the Holocaust is reconstructed by different groups.

0101	Bernard Cooperman Tu 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 5) TLF 2108

JWST419Y **Special Topics in Jewish Studies; Readings in Yiddish, Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: permission of instructor.

0101	Adi Mahalel W 4:00pm - 6:30pm	Seats (Total: 20) SQH 1103

JWST478B **Readings in Modern Hebrew; Blasting the Boundaries of the Israeli Canon**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable topics in Modern Hebrew Literature.

Prerequisite: HEBR313 or permission of department. Readings are in Hebrew. Taught in English. Also offered as ISRL448K and HEBR498K. Credit granted for JWST478B, ISRL448K, or HEBR498K. The production of Hebrew literature has long been tied to the forging of a new Jewish national and, ultimately, Israeli identity. Because of the demands put on literature, it has been the site of intense debates about the relationship between form, content, and the national project. We will trace this debate from its inception up to the present day, examining literary works, their reception, and their re-evaluations, and will analyze how debates about the inclusion of literary works in the Israeli canon reflect changes within Israeli culture itself.

0101	Shirelle Doughty TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 1123

JWST492 **Sex, Gender, and Jewish Identity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Prerequisite: 1 course in WMST; or 1 course in JWST; or 1 course in LGBT; or permission of instructor. Credit only granted for: JWST492, JWST409G, JWST419W, LGBT448W, or WMST498W. Formerly: JWST409G and JWST419W.

An exploration of Jewish embodiment, including dynamics related to biological sex, culturally-framed gender, and sexuality. Topics of discussion may include transgender and intersex Jews, stereotypes and gender performance, modesty, genetics, and body alteration. Focus is on contemporary Jewish culture, framed within the larger historical and textual tradition.

Also offered as LGBT448W and WMST498W.

0101	Maxine Grossman W 4:00pm - 6:30pm	Seats (Total: 40) SQH 1105

JWST499 **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

JWST619 **Directed Readings in Jewish Studies**

(Perm req)

Credits: 3 Grading Method: Regular

Independent Study in Jewish Studies. Readings and papers.

Prerequisite: permission of department.

Contact department for information to register for this course.

JWST619J **Directed Readings in Jewish Studies; Testimony: Trauma, History, and Narratives of Witness**

Credits: 3 Grading Method: Regular

Independent Study in Jewish Studies. Readings and papers.

Also offered as ENGL749J. Credit granted for ENGL749J or JWST619J. Focusing on testimony from a variety of different theoretical perspectives in an attempt to construct a methodology for identifying, reading, and interpreting testimony in oral, visual, textual or even fictional media, students will be responsible for analyzing and presenting audio or video Holocaust testimonies collected from the archives of the United States Holocaust Memorial Museum. The presentations will pertain to the theoretical materials on the testimonies we will be reading. Students will have the opportunity to test the resilience and the limits of testimonial discourse generated within the context of the Holocaust.

0101	Sheila Jelen	Seats (Total: 11)	
	M 3:30pm - 6:00pm	TWS 3134	

JWST799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Research and Writing the Masters Thesis in Jewish Studies.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Spring 2015

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

Credits: 2 Grading Method: Regular, Pass-Fail

For majors only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg	Seats (Total: 40)	
	MW 10:00am - 12:00pm	ERC 0135	Lab
0003	Andrew Ginsberg	Seats (Total: 40)	
	TuTh 12:00pm - 2:00pm	ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

Credits: 2 Grading Method: Regular, Pass-Fail

Prerequisite: KNES 131V or 10k experience. For majors only. One weekend event expected. Attendence is required the first day of class. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg	Seats (Total: 40)	
	TuTh 2:00pm - 4:00pm	COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (Beginning)**

Credits: 2 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0002	Andrew Ginsberg	Seats (Total: 60)	
	MW 2:00pm - 4:00pm	COL 1100D	Lab

KNES131Z **Physical Education Activities: Coed; Beginning Softball**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the ENGR Fields. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Meir Lewin	Seats (Total: 25)	
	Meets March 23, 2015 - May 12, 2015		
	TuTh 1:00pm - 3:00pm	ENGR FIELD	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

For majors only. Attendance is required the first day of class. Students must pay a $40 instructional materials fee plus bowling shoes are required. Schedule adjustment is the first week of class only.

0001	Kevin Alexander	Seats (Total: 40)	
	Meets January 26, 2015 - March 13, 2015		
	TuTh 8:00am - 10:00am	SSU B0106C	Lab
0002	Kevin Alexander	Seats (Total: 40)	
	Meets March 23, 2015 - May 12, 2015		
	TuTh 8:00am - 10:00am	SSU B0106C	Lab

KNES140O **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

Credits: 1 Grading Method: Regular

Attendance is required on the first day of class. Schedule Adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 25)	
	Meets March 23, 2015 - May 12, 2015		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140R **Physical Education Activities: Coed; Trampoline (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 25)	
	Meets January 26, 2015 - March 13, 2015		
	MW 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Schedule Adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Alexander Mateik	Seats (Total: 25)	
	Meets January 26, 2015 - March 13, 2015		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

Credits: 2 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Karate (Intermediate)**

Credits: 2

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense**

Credits: 2

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

Credits: 1

Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within SPHL-Kinesiology department. Schedule adjustment is the first week of class only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Meir Lewin	Seats (Total: 24)	
	Meets January 26, 2015 - March 12, 2015		
	MW 10:00am - 12:00pm	COL 1110D	Lab
0002	Meir Lewin	Seats (Total: 24)	
	Meets March 23, 2015 - May 12, 2015		
	MW 10:00am - 12:00pm	COL 1110D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Timothy Hamlet	Seats (Total: 22)	
	TuTh 8:00am - 9:15am	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Matthew Quigley	Seats (Total: 22)	
	MW 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

Credits: 2

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Matthew Quigley	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B01020	Lab

KNES154T **Physical Education Activities: Coed; Swimming, Fitness (Intermediate)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Carrie Tupper	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

Credits: 2

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Christopher Whipple	Seats (Total: 20)	
	MW 8:00am - 10:00am	ERC B0120	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Andrea Romeo MW 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Dapeng Chen TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within SPHL-Kinesiology department. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Dapeng Chen TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0005	Dapeng Chen TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157T **Physical Education Activities: Coed; Fight the 15: Introduction to Fitness and an Active Lifestyle**

Credits: 1 Grading Method: Regular, Pass-Fail

For non-majors only. Students must pay a $40 instructional materials fee. Intended for students interested in learning basic aspects of exercise and fitness. Coverage of fitness fundamentals, training concepts and techniques, and facilities available on and off campus to aid in an active lifestyle.

0001	Andrea Romeo MW 10:00am - 11:15am	Seats (Total: 30) SPH 2101	Lab

KNES161G **Physical Education Activities: Coed; Yoga for Fitness (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within SPHL-Kinesiology department. Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Laura Rush	Seats (Total: 30)	
	TuTh 3:00pm - 4:15pm	SPH 0128	Lab

KNES161K **Physical Education Activities: Coed; Cardio Kickboxing (Beginning)**

Credits: 2 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class Students must pay a $40 instructional materials fee.

0001	Laura Rush	Seats (Total: 50)	
	TuTh 1:00pm - 3:00pm	ERC 0105	Lab
	Restriction: Must be in a major within SPHL-Kinesiology department. Attendance is required beginning the first day of class.		

KNES161N **Physical Education Activities: Coed; Conditioning (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

Contact department for information to register for this course.

KNES161O **Physical Education Activities: Coed; Conditioning (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within SPHL-Kinesiology department. Attendance is required on the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Andrea Romeo	Seats (Total: 32)	
	Meets March 23, 2015 - May 12, 2015		
	MW 2:00pm - 4:00pm	SPH 2101	Lab

KNES161T **Physical Education Activities: Coed; Yoga**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance on the first day of class is mandatory. Students must pay a $40 instructional materials fee.

0001	Anne Contee MW 8:00am - 9:15am	Seats (Total: 30) SPH 0128	 Lab
0002	Anne Contee MW 9:00am - 10:15am	Seats (Total: 30) SPH 0128	 Lab

KNES201 **Kinesiological Principles of Physical Activity**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.

An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

0101	Shaun Edmonds W 2:00pm - 2:50pm	Seats (Total: 25) SPH 0305
0102	Shaun Edmonds W 3:00pm - 3:50pm	Seats (Total: 25) SPH 0305

KNES201U **Kinesiological Principles of Physical Activity**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.

An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

Contact department for information to register for this course.

KNES210 **Essentials of Exercise Science for Fitness Professionals**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Corequisite: KNES211 or KNES212. Formerly: KNES289N.

Basic concepts of human anatomy, exercise physiology, applied kinesiology, nutrition and the physiology of exercise training. Includes the CORE knowledge required for the American Council on Exercise (ACE) Personal Trainer and the ACE Group Fitness Instructor National Certification Examinations.

0101	Rosemary Lindle	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES211 **Methods of Personal Fitness Instruction**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in KNES210. Formerly: KNES289P.

Development of personal training skills including effective communication, client assessment, fitness testing, goal setting, program design, program implementation, legal responsibilities and business strategies. This course prepares and provides the student the opportunity to sit for the American Council on Exercise (ACE) Personal Trainer National Certification exam.

Non-KNES majors: If you are registered for KNES210 and need permission to register for this course please contact a KNES advisor at advisingknes@umd.edu.

0101	Brianne Rowh	Seats (Total: 25)
	TuTh 9:30am - 10:45am	ERC 2113

KNES212 **Methods of Group Fitness Instruction**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in KNES210. Formerly: KNES289G.

Teaching and evaluation of a variety of group exercise programs including, step, cardio-boxing, cycling, muscle conditioning and circuit training. This course prepares and provides the student the opportunity to sit for the American Council on Exercise (ACE) Group Fitness Instructor National Certification exam.

Non-KNES majors: If you are registered for KNES210 and need permission to register for this course please contact a KNES advisor at advisingknes@umd.edu.

0101	Tami Bergan	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	ERC 0105

KNES222 **Gambling in the New Millennium: Poker, The Preakness, Point-spreads, Powerball and Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Recommended: ENGL101 and COMM107.

Is gambling in the public interest? Students will critically examine the various implications of "what it means to gamble" through investigations of various gambling forms, different sectors of the gambling industry and the related economics, along with consumer behavior, sport, public policy and public health in this context.

0101	Stephen McDaniel MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MCB 1207 SPH 0303	Discussion
0102	Stephen McDaniel MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MCB 1207 SPH 0303	Discussion
0103	Stephen McDaniel MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MCB 1207 SPH 0303	Discussion
0104	Stephen McDaniel MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MCB 1207 SPH 0303	Discussion

KNES260 **Science of Physical Activity and Cardiovascular Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0102	James Hagberg MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion
0103	James Hagberg MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion

0104	James Hagberg MW 3:00pm - 3:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion

KNES286 **Empowering Healthy Physical Activity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Learn evidence-based techniques that health professionals use to promote physical activity programs that meet the needs of diverse populations. Develop and implement an intervention plan targeting a specific population.

0101	Marvin Scott TuTh 9:30am - 10:45am	Seats (Total: 30) SPH 0307	

KNES287 **Sport and American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Instructor: TBA MW 11:00am - 11:50am M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	Discussion
0104	Adam Beissel MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion

KNES287U **Sport and American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

Contact department for information to register for this course.

KNES289 **Topical Investigations**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES293 **History of Sport in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Michael Friedman MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1303	Discussion
0102	Michael Friedman MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0103	Michael Friedman MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0308	Discussion
0104	Michael Friedman MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	Discussion

KNES293U **History of Sport in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

Credits: 4 | Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0102	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0103	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0104	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab

0105	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0106	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0107	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab
0108	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 EGR 1202 SPH 0223	 Lab

KNES300H **Biomechanics of Human Motion**

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Ross Miller M 3:00pm - 4:15pm W 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312 EGR 1202	

KNES332 **Exercise Testing and Prescription for the Fitness Professional**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G.

Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman	Seats (Total: 25)
	WF 8:00am - 10:00am	SPH 0308

KNES332H **Exercise Testing and Prescription for the Fitness Professional**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G.

Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman	Seats (Total: 2)
	WF 8:00am - 10:00am	SPH 0308

KNES333 **Motor Development and Fitness for Individuals with Disabilities**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major within the SPHL-Kinesiology department.

Implications of Federal and State regulations for planning and implementing motor development and physical fitness programs for individuals with disabilities. Evaluation strategies for assessing motor performance and fitness levels in educational programs for these individuals.

Students are required to choose a placement for a service-learning exper ience involving direct work with children who have disabilities. Studen ts may choose from a list of local schools (listed in the syllabus) that have special education programs; or they may complete this requirement at the Children's Developmental Clinic held on campus in the SPH (School of Public Health) building every Saturday 8:30a-12:30p.

0101	Dennis Vacante	Seats (Total: 32)
	Th 7:00pm - 9:30pm	SPH 0308

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP, DVUP

Credit only granted for: KNES498L or KNES334. Formerly: KNES498L.

Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs and to lead active lifestyles.

0101	Ana Palla-Kane	Seats (Total: 30)	
	Meets March 15, 2015 - May 12, 2015		
	M 11:00am - 12:50pm	ERC B0136	
	Class time/details on ELMs	ONLINE	

KNES335 Swimming Pool Management

Credits: 2 | Grading Method: Regular, Pass-Fail, Audit

Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Natalie Ferdinand	Seats (Total: 35)	
	TuTh 9:30am - 10:30am	ERC B0136	Lab

KNES350 The Psychology of Sports

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown	Seats (Total: 70)
	TuTh 2:00pm - 3:15pm	SPH 1303
	Restriction: Must be in a major within SPHL-Kinesiology department.	
0201	J Carson Smith	Seats (Total: 70)
	TuTh 8:00am - 9:15am	SHM 2102

KNES350H The Psychology of Sports

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

Prerequisite: permission of department.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 2) SPH 1303	
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 3) PHY 1410	

KNES360 Physiology of Exercise

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).

A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES360H **Physiology of Exercise**

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).

A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312	

KNES370 **Motor Development**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

BL01	Yue Du, Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		

BL02	Instructor: TBA W 3:00pm - 3:50pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL03	Instructor: TBA W 3:00pm - 3:50pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL04	Instructor: TBA W 3:00pm - 3:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL05	Instructor: TBA W 3:00pm - 3:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL06	Yue Du, Marcio Oliveira W 3:00pm - 3:50pm Class time/details on ELMs M 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		

KNES370H **Motor Development**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

Prerequisite: permission of department.

0101	Yue Du W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 2) SPH 1312	

KNES370U **Motor Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	Rodolphe Gentili MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion
0102	Rodolphe Gentili MW 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion
0103	Rodolphe Gentili MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion
0104	Rodolphe Gentili MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion

0105	Rodolphe Gentili MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0106	Rodolphe Gentili MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0107	Rodolphe Gentili MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0108	Rodolphe Gentili MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion

KNES385H **Motor Control and Learning**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

Prerequisite: permission of department.

0101	Rodolphe Gentili MW 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES386 **Experiential Learning**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.

Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project.

Junior Standing.

0101	Marvin Scott	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SPH 0308

KNES389 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389C **Topical Investigations; SPORT, PHYSICAL ACTIVITY, HEALTH, & THE CITY**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: KNES287 or KNES293 must be taken prior to KNES389C. Students will examine public policies regarding sport and physical activity and how these policies impact public health within urban America. Through exploring the public policy process surrounding issues such as the development of sports stadiums, creation of greenspace, and the allocation of resources to public recreation, students will investigate, developand propose policy solutions.

0101	Michael Friedman	Seats (Total: 35)
	MWF 11:00am - 11:50am	SPH 1302

KNES389E **Topical Investigations; Childrens Development Clinic**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Students will be required to complete fingerprinting and background checks (at no cost to the students). A service-learning experience at the Children's Developmental Clinic in the SPH (School of Public Health) building each Saturday morning (8:30-12:30). It is designed to give students a one-on-one, hands-on experience in working with a child who has special educational needs in the areas of motor development, language, reading, and social skills. There are two training sessions and nine sessions with the children.

0101	Dennis Vacante Sa 8:30am - 12:30pm	Seats (Total: 30) SPH 2101	

KNES389K **Topical Investigations; Kinesiology Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES400 **The Foundations of Public Health in Kinesiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES287; and must have completed or be concurrently enrolled in KNES360. Restriction: Senior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A.

An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 18) ASY 2203 SPH 0305	Discussion
0102	Shannon Jette MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 18) ASY 2203 SPH 0305	Discussion
0103	Shannon Jette MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 18) ASY 2203 SPH 0307	Discussion
0104	Shannon Jette MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 18) ASY 2203 SPH 0303	Discussion

KNES400H **The Foundations of Public Health in Kinesiology**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES287; and must have completed or be concurrently enrolled in KNES360. Restriction: Senior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A.

An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette	Seats (Total: 4)
	MW 11:00am - 11:50am	ASY 2203
	Contact instructor or department for details.	

KNES442 **Psychology of Exercise and Health**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O.

Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola	Seats (Total: 30)
	M 4:00pm - 6:30pm	SPH 1302

KNES442H **Psychology of Exercise and Health**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O.

Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola	Seats (Total: 2)
	M 4:00pm - 6:30pm	SPH 1302

KNES451 **Children and Sport: A Psychosocial Perspective**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.

Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Jay Goldstein, Elizabeth Brown	Seats (Total: 50)
	Tu 4:00pm - 6:30pm	SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.

Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

Prerequisite: permission of department.

0101	Elizabeth Brown	Seats (Total: 4)
	Tu 4:00pm - 6:30pm	SPH 1303

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y.

An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott	Seats (Total: 35)
	MWF 11:00am - 11:50am	SPH 0308

KNES460 **Physiology of Aging and the Impact of Physical Activity**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F.

Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES460H **Physiology of Aging and the Impact of Physical Activity**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F.

Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 2)
	TuTh 2:00pm - 3:15pm	SPH 0303

KNES461 **Exercise and Body Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES360.

An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

0101	Ben Hurley	Seats (Total: 33)
	TuTh 9:30am - 10:45am	SPH 0308

KNES461H **Exercise and Body Composition**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES360.

An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

Prerequisite: permission of department.

0101	Ben Hurley	Seats (Total: 2)
	TuTh 9:30am - 10:45am	SPH 0308

KNES466 **Graded Exercise Testing**

Credits: 3 Grading Method: Regular

Prerequisite: KNES360; or permission of SPHL-Kinesiology department.

Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers	Seats (Total: 33)
	TuTh 11:00am - 12:15pm	SPH 0307

KNES466H **Graded Exercise Testing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: KNES360; or permission of SPHL-Kinesiology department.

Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

Prerequisite: permission of department.

0101	Marc Rogers	Seats (Total: 2)
	TuTh 11:00am - 12:15pm	SPH 0307

KNES477 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: KNES476. Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing. Credit only granted for: KNES399 or KNES477.

Advisement will be on the individual basis. Thesis must be defended in the honors seminar.

0101	Espen Spangenburg F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0301

KNES478 **Honors Seminar; Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Guided discussion of research topics of current interest.

0101	Espen Spangenburg F 11:00am - 11:50am	Seats (Total: 20) SPH 0301

KNES483 **Sport Marketing and Media**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.

Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0308

KNES483H **Sport Marketing and Media**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.

Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 2) SPH 0308

KNES485 **Sport and Globalization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T.

Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

0101	Adam Beissel	Seats (Total: 35)
	W 10:00am - 10:50am	SPH 0307
	Contact instructor or department for details.	

KNES487 **Women, Sports and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES498E or KNES487.

A study of the historical barriers to women's participation in physical activity, efforts to dismantle those barriers, and the differentiation that exists in women's sport and physical culture today. Exploration of the historical and contemporary factors involving female athletes in U.S. culture.

0101	Kristi Tredway	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SPH 1301

KNES497 **Kinesiology Senior Seminar**

Credits: 3 | Grading Method: Regular | CORE: CS | General Education: DSSP

Prerequisite: A professional writing course with a minimum grade of C-; and all 7 KNES core courses and 2 KNES option courses. And STAT100; or students who have taken courses with comparable content may contact the department. And minimum grade of C- in KNES400; or must be concurrently enrolled in KNES400. Restriction: Senior standing or higher; and must be in Kinesiology program.

Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.

Click here for more information.

0101	Ben Hurley	Seats (Total: 21)
	W 8:00am - 10:30am	SPH 0303
	"Exercise Prescription for the Prevention and Treatment of Chronic Disease".	

0103	James Hagberg Tu 8:00am - 10:30am *"Physical Activity and the Obesity and Diabetes Epidemic"..*	Seats (Total: 21) SPH 0305
0104	Eva Chin Tu 4:00pm - 6:30pm *"Adaptations of Skeletal Muscle with Disease and Exercise Training"*	Seats (Total: 21) SPH 0223
0105	Jennie Phillips M 9:00am - 11:30am *Scientific Aspects of Youth Physical Activity and Sport.*	Seats (Total: 21) SPH 0307
0106	Joanne Klossner TuTh 11:00am - 12:15pm *"Hot Topics in Sports Medicine"*	Seats (Total: 21) ASY 3219
0107	Adam Beissel M 4:00pm - 6:30pm *Contextualizing the Sports Industry: This section will facilitate an in-depth, independent examination of the trends, challenges, and opportunities related to the contemporary sports industry.*	Seats (Total: 24) SPH 0305
0109	Jo Zimmerman M 9:00am - 11:30am *Exercise & Brain Health: From Psychobiology to Behavior.*	Seats (Total: 21) JMP 1109
0110	Evan Brody Tu 4:00pm - 6:30pm *Applied Sport and Exercise Psychology for Practitioners.*	Seats (Total: 24) SPH 0124
0111	Tim Kiemel W 4:00pm - 6:30pm *Normal and Impaired Sensorimotor Control: Standing Balance, Walking and and Other Activities of Daily Life.*	Seats (Total: 21) SPH 1302

KNES498 **Special Topics in Kinesiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Students will learn the basic principles of exercise and rehabilitation of commonly seen injuries in a clinical setting. They will also learn basic assessment techniques, review normal ranges of motion, and determine how the function of the muscles directly affects the rehabilitation process.

0101	Larry Plotkin	Seats (Total: 35)
	TuTh 8:00am - 9:15am	SPH 0307

KNES498W **Special Topics in Kinesiology; Prosthetics for Limb Amputations**

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisite: KNES300. Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

0101	Douglas Collier	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	EDU 1107

KNES601 **Epidemiology of Physical Activity**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: KNES600; and must have completed an undergraduate statistics course (e.g., STAT100 or equivalent).

An exploration of basic epidemiological study design, methods, and health outcomes in the field of physical activity.

0101	Jennie Phillips	Seats (Total: 15)
	M 4:00pm - 6:30pm	SPH 0301

KNES609 **Research Issues in Kinesiology**

(Perm req) Credits: 1 Grading Method: Regular

Issues, methodologies, and critical analyses of current research in Kinesiology.

Contact department for information to register for this course.

KNES610 **Methods and Techniques of Research**

Credits: 3 Grading Method: Regular, Audit

Studies methods and techniques of research used in Kinesiology; an analysis of examples of their use; and practice in their application to problems of interest to the student.

0101	Seppo Iso-Ahola W 4:00pm - 6:30pm	Seats (Total: 15) SPH 0303

KNES615 **The Body, Culture, and Physical Activity**

Credits: 3 Grading Method: Regular, Audit

Critically examines the social constitution and embodied experience of various empirical fields of physical culture, including sport, health, movement, exercise, recreation dance, and daily living related activities.

0101	Shannon Jette Tu 4:00pm - 6:30pm	Seats (Total: 15) JMZ 1117

KNES618 **Current Readings in Exercise and Applied Physiology**

Credits: 1 Grading Method: Regular, Audit

Student-led presentations of contemporary literature in the areas of genetics, exercise science, fitness and health. Emphasis on papers describing new research findings, novel techniques, innovative methods, and emerging issues.

0101	Espen Spangenburg F 1:00pm - 1:50pm	Seats (Total: 15) SPH 2334

KNES689 **Special Problems in Kinesiology**

(Perm req) Credits: 1-6 Grading Method: Regular

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES689J **Special Problems in Kinesiology; Diversity in Physical Education**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Designed to develop pedagogical competencies required in an inclusive physical education context. Students will learn to assess motor skill and fitness levels, analyze data, and develop appropriate instructional materials for individuals who have a spectrum of challenges. Case studies will be used to examine and apply strategies for adapting and modifying lessons to ensure they are safe and developmentally appropriate.

IH60	Dennis Vacante W 4:30pm - 7:30pm	Seats (Total: 15) Location: TBA

KNES689M **Special Problems in Kinesiology; Motor Control Theory**

Credits: 3

Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

0101	Tim Kiemel Tu 4:00pm - 6:30pm	Seats (Total: 15) CHM 1228

KNES689N **Special Problems in Kinesiology; Curriculum Development in Physical Education**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

IH60	Dena Deglau Tu 4:30pm - 7:30pm	Seats (Total: 15) Location: TBA

KNES689O **Special Problems in Kinesiology; Psychology of Exercise and Health**

Credits: 3

Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

0101	Seppo Iso-Ahola	Seats (Total: 5)
	M 4:00pm - 6:30pm	SPH 1302

KNES689P **Special Problems in Kinesiology; Mechanical Analysis of Human Movement**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Prerequisite: KNES300 or permission of instructor. Theory and practice for the application of mechanical principles to analyzing human movement data in three dimensions. 6DOF and IK kinematic modeling. Inverse dynamics modeling. Electromyography processing. Introduction to musculoskeletal modeling and computer simulation.

0101	Ross Miller	Seats (Total: 10)
	Th 4:00pm - 6:30pm	SPH 1303

KNES689T **Special Problems in Kinesiology; Teaching Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Outreach Secondary MCERT-KNES. Departmental permisson required. Students are required to pay a course fee; refer to program materials for details.

CE01	Dena Deglau	Seats (Total: 10)
	Contact instructor or department for details.	

KNES689Y **Special Problems in Kinesiology; Public Health and Research Ethics**

Credits: 1 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

0101	Barbara Alving	Seats (Total: 30)
	Meets January 26, 2015 - March 14, 2015	
	F 11:00am - 12:50pm	SPH 0305
	Also offered as EPIB641	

KNES789 **Advanced Projects in Kinesiology**

Credits: 1-3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

KORA Korean Spring 2015

KORA102 **Elementary Korean II**

Credits: 3 Grading Method: Regular

Prerequisite: KORA101; or must have appropriate Foreign Language Placement Test (FLPT) score.
Restriction: Must be a non-Heritage student; and permission of instructor required for new students.

Continued training in elementary spoken and written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1215

KORA202 **Intermediate Korean II**

Credits: 3 Grading Method: Regular CORE: HO

Prerequisite: KORA201; or permission of instructor.

The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1215

KORA212 **Introductory Reading for Speakers of Korean II**

Credits: 3 Grading Method: Regular CORE: HO

Prerequisite: KORA211; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed four or more years of schooling in Korea.

Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1215

KORA312 **Korean for Heritage Speakers, Advanced-Low II**

Credits: 3 Grading Method: Regular

Prerequisite: KORA311; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to students who have completed eight or more years of schooling in Korea.

Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 1215

KORA398A **Special Topics in Korean Studies; Language and Society of Two Koreas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.

This is a CIC courseshare course. The instructor, Professor Hangtae Cho, is at the University of Minnesota, but Students enroll and receive credit for it at the University of Maryland.

0101	Instructor: TBA	Seats (Total: 12)
	TuTh 3:00pm - 4:15pm	JMZ 2125

KORA398C **Special Topics in Korean Studies; Cinema and Society in Contemporary South Korea**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.

Examining the intersection of gender, class, and nation in contemporary Korean society through the lens of current Korean films. Students will be exposed to a variety of films (with English subtitles) that deal with various issues pertaining to gender, class, and national identity. Each week the class will be organized around the screening of a feature film, preceded by an introduction to locate it in its cultural context, and followed by a discussion.Taught in English.

0101	John Finch M 4:30pm - 5:45pm Th 7:15pm - 8:30pm Th 5:00pm - 7:00pm	Seats (Total: 25) JMZ 2117 JMZ 2117 JMZ 2117	 Lab

KORA499 **Independent Study Korean**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact department for information to register for this course.

LARC Landscape Architecture Spring 2015

LARC120 **Digital Fundamentals**

Credits: 2 Grading Method: Regular

Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and must be in Landscape Architecture program.

An introduction to fundamental computer tools and techniques commonly used in design communication and landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting.

0101	Christopher Ellis Tu 2:00pm - 2:50pm Tu 3:00pm - 4:40pm	Seats (Total: 20) PLS 2137 Location: TBA	 Lab
0102	Christopher Ellis Th 2:00pm - 2:50pm Th 3:00pm - 4:40pm	Seats (Total: 20) PLS 2137 Location: TBA	 Lab

LARC160 **Introduction to Landscape Architecture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO	General Education: DSHU, DSSP

History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Dennis Nola MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 19) PLS 1140 PLS 1111	 Discussion
0102	Dennis Nola MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 19) PLS 1140 PLS 1113	 Discussion
0103	Dennis Nola MW 10:00am - 10:50am M 5:00pm - 5:50pm	Seats (Total: 19) PLS 1140 PLS 1115	 Discussion
0104	Dennis Nola MW 10:00am - 10:50am M 5:00pm - 5:50pm	Seats (Total: 18) PLS 1140 PLS 1146	 Discussion

LARC221 **Digital Design Tools**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.

The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

0101	Instructor: TBA TuTh 11:00am - 12:15pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) PLS 2137 PLS 2137	 Lab

LARC240 **Graphic Communication and Design Studio**

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LARC141 and LARC263. Corequisite: LARC221 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.

Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

0101	Byoung-Suk Kweon	Seats (Total: 15)	
	MW 2:00pm - 2:50pm	PLS 2152	
	MW 3:00pm - 4:50pm	PLS 2152	Lab

LARC263 **History of Landscape Architecture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: HA

General Education: DSHU

A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

0101	Harris Trobman, Kelly Cook	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PLS 1119
	For LARC majors only.	
0102	Kelly Cook, Harris Trobman	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PLS 1119

LARC321 **Landscape Structures and Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LARC320; and LARC340. Restriction: Must be in Landscape Architecture program.

An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Instructor: TBA	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 1111	
	Th 11:00am - 12:15pm	PLS 2150	Lab

LARC341 **Regional Design Studio**

(Perm req)

Credits: 5 Grading Method: Regular

Prerequisite: LARC320; and LARC340. Restriction: Junior standing or higher; and must be in Landscape Architecture program.

An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

0101	Instructor: TBA	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 2150	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC461 **People and the Environment**

Credits: 3 Grading Method: Regular

Repeatable to 3 credits if content differs. Credit only granted for: LARC489K or LARC461. Formerly: LARC489K.

Focus is placed on human and environmental interactions. Students will look at both natural and built environments and how they influence human health and well-being. Many environmental settings will be examined. These include hospitals, public housing neighborhoods, school settings, retirement communities, transportation corridors and green spaces. We will also explore how racial and socio-economic factors affect living and working environmental conditions. Ultimately, students will be using this knowledge to create environments that support individuals, families and various community groups' health and well-being.

0101	Byoung-Suk Kweon	Seats (Total: 20)
	M 10:00am - 12:50pm	CHE 2145

LARC471 **Capstone Studio: Community Design**

(Perm req)

Credits: 5 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program.

A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

0101	Victoria Chanse	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 2148	
	MW 2:00pm - 4:50pm	PLS 2148	Lab

LARC489E **Special Topics in Landscape Architecture; Planting Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

0101	Ann Anderson	Seats (Total: 10)
	F 9:00am - 11:50am	PLS 2137

LARC499 **Independent Studies in Landscape Architecture**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Independent studies in landscape architecture including field, studio o library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC641 **Graduate Studio II**

(Perm req)

Credits: 5 Grading Method: Regular, Audit

Prerequisite: LARC640. Corequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

0101	Dennis Nola	Seats (Total: 10)	
	TuTh 2:00pm - 2:50pm	PLS 1142	
	TuTh 3:00pm - 5:50pm	PLS 1142	Lab

LARC648 **Graduate Studio IV**

(Perm req)

Credits: 5

Grading Method: Regular, Audit

An exploration that will focus on issues in landscape planning and design such as campus planning, urban housing and recreation, and neighborhood preservation, restoration and development. Projects will emphasize the value of responsible academic and civic landscapes, the place of historic resources in contemporary life, and innovative solutions for the integration of past and future landscapes.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC663 **Landscape and Garden History**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

0101	Kelly Cook	Seats (Total: 10)	
	W 2:00pm - 4:50pm	PLS 1111	

LARC671 **Landscape Architecture Research Methods**

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

0101	Victoria Chanse	Seats (Total: 15)	
	MW 10:00am - 11:15am	PLS 0104	

LARC699 **Independent Studies in Landscape and Architecture**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual Instruction course.

Contact department for information to register for this course.

LARC720 **Environmental Analysis and Site Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LARC640; or permission of AGNR-Plant Science & Landscape Architecture department. Corequisite: LARC641.

Techniques for prediction of alterations in social and natural processe brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

0101	John Leonard	Seats (Total: 10)	
	W 8:00am - 9:50am	PLS 1142	
	W 10:00am - 11:50am	PLS 1142	Lab

LARC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Spring 2015

LASC235 **Issues in Latin American Studies II**

Credits: 3 Grading Method: Regular CORE: HO, D General Education: DSHS, DSHU, DVUP

Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235.

Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Reid Gustafson TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0105
0201	Reid Gustafson MW 11:00am - 12:15pm	Seats (Total: 35) KEY 0116

LASC235H **Issues in Latin American Studies II**

Credits: 3 Grading Method: Regular CORE: HO, D General Education: DSHS, DSHU, DVUP

Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235.

Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Reid Gustafson TuTh 11:00am - 12:15pm	Seats (Total: 5) HBK 0105

LASC248R **Special Topics in Latin American Studies; Latin America Since Independence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics to be announced when offered.

Also offered as LASC248R. Credit granted for HIST251 or LASC248R. Introductory survey of the history of Latin America from the era of independence (c. 1810-1825) through the early 1980s. Major themes include independence and sovereignty, postcolonialism and neocolonialism, nation- and state-building, liberalism, citizenship, economic development and modernization, social organization and stratification, race and ethnicity, gender relations, identity politics, reform and revolution, authoritarianism and democratization, and inter-American relations.

0101	Karin Rosemblatt TuTh 11:00am - 12:15pm	Seats (Total: 60) KEY 1117

LASC448E **Special Topics in Latin American Studies; Gender and Sexuality in Latin America**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Also offered as HIST429E. Credit will be granted for HIST429E or LASC 448E.

0101	Karin Rosemblatt	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0126

LASC448I **Special Topics in Latin American Studies; Latin American and Caribbean Thought**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Also offered as PHIL408L. Credit will be granted for LASC448I or PHIL 408L.

0101	James Maffie	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 0111

LASC448Q **Special Topics in Latin American Studies; AMAZON THROUGH FILM**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Also offered as ANTH468D. Credit will be granted for ANTH468D or LASC 448Q.

0101	Janet Chernela	Seats (Total: 20)
	M 6:00pm - 8:45pm	WDS 1114

LASC448W **Special Topics in Latin American Studies; Doing Business in Nicaragua: Microfinance and Social Value Creation**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Contact department for information to register for this course.

LATN Latin Spring 2015

LATN101 **Elementary Latin I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Additional information: A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Eric Adler	Seats (Total: 25)	
	MWF 10:00am - 10:50am	HBK 0105	
	W 9:00am - 9:50am	HBK 0105	Discussion

LATN201 **Intermediate Latin**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.

0101	Eric Adler	Seats (Total: 25)
	MW 2:00pm - 3:50pm	MMH 1218

LATN302 **Ovid**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Major works of Ovidian poetry. Literary and moral atmosphere of Augustan age. Readings are in Latin.

0101	Judith Hallett	Seats (Total: 25)
	Tu 5:00pm - 7:40pm	MMH 0108

LATN488M **Latin Readings; Medieval Latin**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.

0101	Carin Ruff	Seats (Total: 20)
	W 6:15pm - 8:55pm	MMH 0108

LATN488O **Latin Readings; Ovid**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.

0101	Judith Hallett	Seats (Total: 20)
	M 5:00pm - 7:40pm	MMH 1218

LATN499 **Independent Study in Latin Language and Literature**

(Perm req) | Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

LATN631 **Medieval Latin**

Credits: 3 Grading Method: Regular, Audit

An examination of literary documentary texts in Latin from the end of the Roman Empire to the Renaissance.

0101	Carin Ruff W 6:15pm - 8:55pm	Seats (Total: 10) MMH 0108

LATN688O **Special Topics in Latin Literature; Ovid**

Credits: 3 Grading Method: Regular, Audit

0101	Judith Hallett M 5:00pm - 7:40pm	Seats (Total: 10) MMH 1218

LATN699 **Independent Studies in Latin Literature**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

LBSC Library Science Spring 2015

LBSC602 **Serving Information Needs**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC602, or both LBSC601 and LBSC650.

An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.

SG01	Beth St Jean	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC622 **Information and Universal Usability**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

0101	Mega Subramaniam	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0103

LBSC631 **Achieving Organizational Excellence**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635.

Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

SG01	Bruce Dearstyne	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LBSC640 **School Librarians as Information Professionals**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies; and permission of instructor. Credit only granted for: LBSC640 or LBSC643. Formerly: LBSC643.

Foundational concepts in information studies and in school library programs and services. Current and evolving educational systems; roles and functions of school librarians within them.

SG01	Sheri Massey	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC644 **Collection Development**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC602; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC 644 or LBSC 708G. Formerly: LBSC 708G.

Activities through which library collections are systematically developed and managed are explored, especially the formulation and implementation of written collection development policies. Other specific topics include identification of user needs; collection evaluation; fund allocation among competing departments, subjects, and/or media; selection methods; intellectual freedom; storage alternatives; and cooperative collection development.

SG01	Instructor: TBA	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC646 **Literature and Materials for Young Adults**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: LBSC646 or LBSC746. Formerly: LBSC746.

Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Deborah Taylor	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC671 **Creating Information Infrastructures**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC671, or LBSC670 and LBSC690.

Foundations of acquiring and managing collections, information structures, indexing and discovery systems needed by information professionals. An introduction to the theoretical concepts, trends, systems, and technologies central to the information field.

0101	Katy Lawley	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 2119

SG01	Erik Mitchell	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Restricted LBSO- 2014 Cohort students only	

LBSC680 **Principles of Records and Information Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

0101	Paul Wester	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 0109

LBSC684 **Archival Arrangement and Description**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC605; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Principles of archival arrangement and description and their application to making archival material available for research and other uses. National and international standards for archival description. Studies of users of archival descriptive systems. Current and emerging issues.

0101	Kenneth Heger	Seats (Total: 30)
	W 2:00pm - 4:45pm	JMZ 2123

LBSC703 **Field Study in Archives, Records and Information Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC605, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.

Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Michael Kurtz Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 4113

LBSC707 **Field Study in Library Service**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.

Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

0101	Wendy Simmons W 6:00pm - 8:45pm	Seats (Total: 20) HBK 0123
ML01	John Bertot Class time/details on ELMs *Restricted to E-Government Cohort students only.*	Seats (Total: 25) ONLINE
SG01	Nancy Roderer Class time/details on ELMs	Seats (Total: 20) ONLINE

LBSC708D **Special Topics in Information Studies; Digital Public History**

Credits: 3 Grading Method: Regular, Audit

Consult Schedule of Classes or CLIS informational materials for specific offerings.

0101	Trevor Owens Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0108

LBSC709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision.

Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods.

0101	Nancy Roderer	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 1112

LBSC723 **Advocacy and Support for Information Services**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

Role and influence of government, foundations, associations, and other organizations in supporting and setting the agenda for information services of all types. Role of information professionals in demonstrating advocacy, fund-raising, public relations, lobbying, and seeking external support.

0101	Lynne Bradley	Seats (Total: 20)
	M 6:00pm - 8:45pm	HBK 0108

LBSC724 **Public Library Seminar**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.

SG01	John Bertot	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC744 **Internship in School Library**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC640, LBSC742, and LBSC741; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.

SG01	Sheri Massey	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC770 **Bibliographic Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC670 and LBSC690; or LBSC671; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Problems and current issues in bibliographic control. Study and use of subject heading lists, thesauri, classification schemes, cataloging standards, and bibliographic utilities.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	HBK 0109

LBSC781 **Access Techniques and Systems for Archives**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies; and LBSC605.

Methods, approaches, and systems to locate, access, and use archival records, including systems analysis, control systems. researcher services, descriptive formats and techniques, and the use of digital technologies and the Internet for accessing archival records.

0101	Kenneth Heger	Seats (Total: 30)
	Th 6:00pm - 8:45pm	PLS 1111

LBSC785 **Documentation, Collection, and Appraisal of Records**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC605 or INST604; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Ricardo Punzalan M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC786 **Library and Archives Preservation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

Literature and key issues in the preservation of archival and library materials. The development of preservation programs and the establishment and maintenance of effective management techniques. The nature of the materials from which archives and books are made, causes of damage and deterioration, binding structures and environmental concerns will be discussed within the context of general archives and libraries administration.

0101	Doris Hamburg Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC791 **Designing Principled Inquiry**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 15 credits in LBSC course work. Restriction: Permission of INFO-College of Information Studies.

Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.

0101	Diane Barlow Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109
0201	Maralita Freeny Th 6:00pm - 8:45pm	Seats (Total: 20) HBK 0109
ML01	Diane Barlow Class time/details on ELMs *Restricted to E Government students only.*	Seats (Total: 17) ONLINE
SG01	Maria Salvadore Class time/details on ELMs	Seats (Total: 20) ONLINE

LBSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Spring 2015

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Credit only granted for: LGBT200.

An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Jessica Vooris MW 12:30pm - 1:45pm	Seats (Total: 40) SQH 1121
0201	Julie Enszer TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2110

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1105
0201	John Macintosh MWF 1:00pm - 1:50pm	Seats (Total: 30) SQH 1105

LGBT359M **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Queer Comedy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Study of selected writers or particular themes in Lesbian, Gay, Bisexual and Transgender literatures.

Also offered as ENGL359C. Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Martha Nell Smith	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	TWS 0236

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVCC

Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program.

Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448W **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sex, Gender and Jewish Identity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit , D | General Education: DVUP

In-depth study of particular themes and issues in LGBT studies.

Also offered as JWST492 and WMST498W. Credit granted for JWST492, LGBT448W, or WMST498W. An exploration of Jewish embodiment, including dynamics related to biological sex, culturally-framed gender, and sexuality. Topics of discussion may include transgender and intersex Jews, stereotypes and gender performance, modesty, genetics, and body alteration. Focus is on contemporary Jewish culture, framed within the larger historical and textual tradition.

0101	Maxine Grossman	Seats (Total: 40)
	W 4:00pm - 6:30pm	SQH 1105

LGBT459M **Selected Topics in Sexuality and Literature; American Poetry: Beginning to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Detailed study of sexuality as an aspect of literary and cultural expression.

Also offered as LGBT459M. Credit granted for ENGL435 or LGBT459M.

0101	Martha Nell Smith	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 0236

LGBT488F **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies; Queer Futures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Developments in theories and methods of LGBT Studies, with emphasis upo interaction between the humanities and the social sciences in the elaboration of this interdisciplinary area of scholarship.

Restriction: Permission of LGBT Studies Program.

0101	Instructor: TBA	Seats (Total: 12)
	MW 2:00pm - 3:15pm	JMZ 2125

LGBT494 **Lesbian Communities and Differences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed one course in Women's Studies, preferably WMST200 or WMST250. Also offered as: WMST494. Credit only granted for: LGBT494 or WMST494.

The meanings of lesbian communities across many lines of difference. Using lesbian-feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts.

0101	Katie King	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	MMH 1304

LGBT499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed research and analysis in LGBT Studies on a topic selected by the student.

Contact department for information to register for this course.

LING Linguistics Spring 2015

LING200 **Introductory Linguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses.

An exploration of the nature of human language, designed for non-majors Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Tonia Bleam MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 MTH 0403	 Discussion
0104	Tonia Bleam MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) MMH 1400 ARM 0103	 Discussion
0105	Instructor: TBA MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 HBK 0105	 Discussion
0106	Tonia Bleam MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 COL 0101	 Discussion
0107	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 PLS 1111	 Discussion

LING240 **Language and Mind**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Additional information: Required for Linguistics majors and recommended for students in related fields.

The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Margaret Antonisse MWF 10:00am - 10:50am	Seats (Total: 50) KEY 0102

LING248 **Introduction to Laboratory Research in Linguistics**

(Perm req)

Credits: 2-3 Grading Method: Regular

Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Learning to conduct research in laboratory linguistics as part of a research team that will create original research in the field.

Prerequisite: Permission of ARHU-Linguistics department.

0101	Jeffrey Lidz	Seats (Total: 15)
	F 9:30am - 11:00am	MMH 1108B

LING311 **Syntax I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING240.

Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HBK 0103

LING312 **Syntax II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING311.

Continuation of LING311. Development of theories of syntax. Criteria fo revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MMH 1304

LING321 **Phonology I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING240.

Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 0108

LING322 **Phonology II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING321.

Continuation of LING321. Further investigation of phonological phenomen and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	Michael Key	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 3418

LING410 **Grammar and Meaning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of instructor; or LING311.

The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Alexander Williams	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MMH 3418

LING419H **Topics in Syntax; The Syntax of Experiencers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics vary.

Prerequisite: LING311 Experiencers (e.g. The traffic bothered Mary) are special entities, not only cognitively but also in grammar. Some of experiencer's exceptional properties related to different syntactic phenomena will be evaluated. Drawing on results from many languages, we will try to attribute all these special patterns to a unified hypothesis on the status of experiencers in syntax. In doing so, we will discuss Theta Theory, Binding Theory, and some constrains on movement operation.

0101	Carolina Petersen	Seats (Total: 10)
	MW 2:00pm - 3:15pm	WDS 1127

LING440 **Grammars and Cognition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING321 and LING311.

Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.

0101	Ellen Lau	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	MMH 3418

LING448 **Advanced Laboratory Research in Linguistics**

(Perm req)

Credits: 2-3 Grading Method: Regular

Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Conducting a research project in laboratory linguistics as part of a team creating original research relevant to current issues in linguistics.

Prerequisite: Permission of ARHU-Linguistics department.

0101	Jeffrey Lidz	Seats (Total: 15)
	F 9:30am - 10:30am	MMH 1108B

LING499 **Directed Studies in Linguistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Teaching Assistantship**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

0101	Margaret Antonisse	Seats (Total: 4)
	Contact instructor or department for details.	

LING499G **Directed Studies in Linguistics; Introduction to Second Language Acquisition**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Also offered as SLAA410. Credit granted for SLAA410 or LING499G.

0101	Michael Long	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2206

LING499H **Directed Studies in Linguistics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING611 **Issues in Syntax**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LING610.

Topics of current theoretical interest examined through data from a variety of languages.

0101	Instructor: TBA	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	MMH 1108B

LING621 **Issues in Phonology**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LING620.

Topics of current interest in phonological theory examined through data from several languages.

0101	William Idsardi TuTh 9:30am - 10:45am	Seats (Total: 15) MMH 1108B

LING641 **Issues in Psycholinguistics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING640.

Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips MW 12:00pm - 1:30pm	Seats (Total: 15) MMH 1108B

LING644 **Language Acquisition**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING640.

Interpretations of observational and experimental work on children's language development, and relationship between developmental stages and theories of human language faculties.

0101	Jeffrey Lidz MW 10:30am - 11:45am	Seats (Total: 15) MMH 1108B

LING661 **Issues in Semantics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING660; or permission of ARHU-Linguistics department.

A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

0101	Valentine Hacquard MW 9:00am - 10:15am	Seats (Total: 10) MMH 1108B

LING689 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Independent studies in grammatical theory.

Contact department for information to register for this course.

LING689T **Independent Study; Pedagogy for Linguistics**

Credits: 1 Grading Method: Regular

Independent studies in grammatical theory.

Designed for novice instructors to collaboratively explore and evaluate methodologies that support teaching improvement and learner achievement.

0101	Tonia Bleam	Seats (Total: 6)
	Contact instructor or department for details.	

LING698 **Directed Study; Seminar**

Credits: 1-3 Grading Method: Regular, Audit

0101	Howard Lasnik	Seats (Total: 2)
	F 2:00pm - 4:00pm	KEY 0102

LING698C **Directed Study; Computational Psycholinguistics**

Credits: 3 Grading Method: Regular, Audit

Also offered as LING889C, CMSC828F, and NACS728P. Credit granted for LING698C, LING889C, CMSC828F, or NACS728P. Explores how ideas from statistics and machine learning can be used to model the acquisition, processing, and evolution of language. The focus will be on three popular computational approaches: symbolic systems, neural networks, and probabilistic models.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	MMH 1108B

LING773 **Computational Linguistics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: CMSC773. Formerly: LING647.

Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

Also offered as INST728C.

0101	Philip Resnik	Seats (Total: 30)
	W 1:30pm - 4:00pm	WDS 0104

LING798 **Research Papers in Linguistics**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

LING819C **Seminar in Syntactic Theory; Ellipsis**

Credits: 3 Grading Method: Regular, Audit

Current topics in research on syntactic theory.

0101	Howard Lasnik	Seats (Total: 15)
	W 3:00pm - 6:00pm	MMH 1108B

LING848M **Seminar in Computational Linguistics; Multilingual Natural Language Processing**

Credits: 3 Grading Method: Regular, Audit

Current topics in research in computational linguistics.

lso offered as CMSC828I. Credit granted for CMSC828I or LING848M.

0101	Instructor: TBA	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	CSI 3258

LING879 **Seminar in Semantics; Seminar in Semantics:**

Credits: 3 Grading Method: Regular, Audit

Current topics in research in semantics.

0101	Valentine Hacquard	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	MMH 1401G

LING889 Directed Research

Credits: 1-8 Grading Method: Regular, Audit

Contact department for information to register for this course.

LING889C Directed Research; Computational Psycholinguistics

Credits: 3 Grading Method: Regular, Audit

Also offered as LING698C, CMSC828F, and NACS728P. Credit granted for LING698C, LING889C, CMSC828F, or NACS728P. Explores how ideas from statistics and machine learning can be used to model the acquisition, processing, and evolution of language. The focus will be on three popular computational approaches: symbolic systems, neural networks, and probabilistic models.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	MMH 1108B

LING895 Doctoral Research Paper

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

LING896 Research Paper in Minor Area

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING895.

This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech Spring 2015

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**

Credits: 3 Grading Method: Regular, Audit

Special topics courses are intended to expose students to the latest developments in mathematical applications. As such, the content will vary depending on the instructor and the current state-of-the-art. 679 will appear with a letter appended to distinguish different topics. New 679 courses will be added as areas of interest arise.

Contact department for information to register for this course.

MAIT699 **Independent Masters Project**

Credits: 1-3 Grading Method: Regular, Audit

This course allows students to apply advanced mathematical methods to practical, real-world problems. Projects are supervised individually by faculty members from the MAIT Program. The project's nature is flexible and determined jointly by the student and supervisor. A detailed final report must be prepared by the student and approved by the supervisor.

0101	John Benedetto Contact instructor or department for details.	Seats (Total: 5)
0102	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 1)
0501	John Benedetto Contact instructor or department for details.	Seats (Total: 10)
0902	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 10)
2911	Andrew Kebo Contact instructor or department for details.	Seats (Total: 5)

MATH Mathematics Spring 2015

MATH003 Developmental Mathematics

Credits: 3 Grading Method: Sat-Fail

A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student.

Students must pay a special math fee.

0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 22) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 15) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 25) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 15) COL 0104

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1001	Ben Bezejouh	Seats (Total: 22)
	MTuWThF 9:00am - 9:50am	ARM 0117

MATH011 **Algebra for MATH 111**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Marguerite Jarchow	Seats (Total: 25)
	MTuWThF 9:00am - 9:50am	ARM 0105

MATH013 **Algebra for MATH 113**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1001	Santuria Orsetti	Seats (Total: 25)
	MTuWThF 9:00am - 9:50am	ARM 0116

1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0116

MATH015 **Algebra for MATH 115**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0119
1201	Ben Bezejouh MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0119

MATH110 **Elementary Mathematical Models**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSMA

Prerequisite: Must have math eligibility of MATH110 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH220, MATH130, or MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113.

Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications.

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 25) MTH 0302

0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 22) MTH 0302
0301	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0102
0401	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 22) MTH 0102
1001	Ben Bezejouh MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0117

MATH111 **Introduction to Probability**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSMA

Prerequisite: Must have math eligibility of MATH111 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100.

Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0104
0102	Ryan Kirk MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0411
0103	Matthew Dellatorre MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0407
0104	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0101
0201	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 22) MTH 0104
0202	Ryan Kirk MWF 2:00pm - 2:50pm	Seats (Total: 22) MTH 0411

0203	Matthew Dellatorre MWF 2:00pm - 2:50pm	Seats (Total: 22) MTH 0407
1101	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0105

MATH113 **College Algebra and Trigonometry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH220, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115.

Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0101	Jacqueline Stone MWF 10:00am - 10:50am	Seats (Total: 29) ARM 0117
0102	Elif Kuz MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0306
0103	Mestiyage Gunatilleka MWF 10:00am - 10:50am	Seats (Total: 30) MTH B0429
0104	Arijit Sehanobish MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0105
0105	Instructor: TBA MWF 10:00am - 10:50am	Seats (Total: 30) MTH B0423
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 29) ARM 0117
0202	Elif Kuz MWF 11:00am - 11:50am	Seats (Total: 29) MTH 0306

0203	Mestiyage Gunatilleka MWF 11:00am - 11:50am	Seats (Total: 30) MTH B0429	
0204	Arijit Sehanobish MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0105	
0205	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 28) MTH B0423	
0206	Quan Bui MWF 11:00am - 11:50am	Seats (Total: 25) ARM 0118	
1001	Santuria Orsetti MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0116	
1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0116	

MATH115 **Precalculus**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.

Preparation for MATH220, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required.

0111	Frances Gulick MW 9:00am - 9:50am MWF 10:00am - 10:50am	Seats (Total: 28) ARM 0135 ARM 0110	 Discussion
0121	Frances Gulick MW 9:00am - 9:50am MWF 11:00am - 11:50am	Seats (Total: 28) ARM 0135 ARM 0110	 Discussion

0131	Frances Gulick MW 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 ARM 0110	Discussion
0141	Frances Gulick MW 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 ARM 0110	Discussion
0151	Frances Gulick MW 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 27) ARM 0135 ARM 0110	Discussion
0161	Frances Gulick MW 9:00am - 9:50am TuTh 11:00am - 12:15pm	Seats (Total: 28) ARM 0135 ARM 0110	Discussion
1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0119	
1201	Ben Bezejouh MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0119	

MATH130 **Calculus I for the Life Sciences**

Credits: 4	Grading Method: Regular, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH112; or minimum grade of C- in MATH113; or minimum grade of C- in MATH115; or permission of CMNS undergraduate program office. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.

Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Instructor: TBA TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0101	Discussion
0121	Instructor: TBA TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0101	Discussion

0131	Instructor: TBA TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0101	Discussion
0132	McBlaine Boyle TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0103	Discussion
0141	Instructor: TBA TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH 0101	Discussion
0142	McBlaine Boyle TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0103	Discussion

MATH131 **Calculus II for Life Sciences**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH131, MATH141, or MATH221.

Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Joel Cohen TuTh 11:00am - 12:15pm WF 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0303	Discussion
0121	Joel Cohen TuTh 11:00am - 12:15pm WF 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0303	Discussion
0131	Joel Cohen TuTh 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0303	Discussion

0132	Joel Cohen TuTh 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0305	Discussion
0141	Joel Cohen TuTh 11:00am - 12:15pm WF 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0303	Discussion
0142	Joel Cohen TuTh 11:00am - 12:15pm WF 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0305	Discussion
0211	Instructor: TBA TuTh 2:00pm - 3:15pm MF 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0221	Instructor: TBA TuTh 2:00pm - 3:15pm MF 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0306	Discussion
0231	Instructor: TBA TuTh 2:00pm - 3:15pm MF 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH 0407	Discussion
0241	Instructor: TBA TuTh 2:00pm - 3:15pm MF 12:00pm - 12:50pm	Seats (Total: 27) ARM 0131 MTH 0104	Discussion

MATH140 **Calculus I**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH130, MATH220, or MATH140.

Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required.

0111	David Hamilton MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0407	Discussion
0112	David Hamilton MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0113	David Hamilton MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0121	David Hamilton MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0407	Discussion
0122	David Hamilton MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0123	David Hamilton MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0131	Instructor: TBA MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0407	Discussion
0132	David Hamilton MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0141	Instructor: TBA MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0142	David Hamilton MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion

0211	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0212	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH 0104	Discussion
0221	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0222	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 26) ARM 0126 MTH 0104	Discussion
0231	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0232	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 26) ARM 0126 MTH 0104	Discussion
0241	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0242	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 26) ARM 0126 MTH 0104	Discussion

MATH141 **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0103	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0303	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0103	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0303	Discussion
0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) PHY 1412 MTH 0103	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) PHY 1412 MTH 0302	Discussion
0211	Frances Gulick MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0101	Discussion

0212	Frances Gulick MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0213	Frances Gulick MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0102	Discussion
0221	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0101	Discussion
0222	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0223	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0102	Discussion
0231	Frances Gulick MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0411	Discussion
0232	Frances Gulick MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0311	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0105	Discussion
0312	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH B0429	Discussion
0313	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0305	Discussion

0321	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0105	Discussion
0322	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH B0429	Discussion
0323	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0331	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH B0429	Discussion
0332	Amin Gholampour MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0411	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH 0407	Discussion
0412	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH 0403	Discussion
0413	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH 0409	Discussion
0421	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 0407	Discussion
0422	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 0403	Discussion

0423	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 0409	Discussion
0431	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0407	Discussion
0432	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0403	Discussion
0511	Bradford Sanders MWF 3:00pm - 3:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 1311	Discussion
0521	Bradford Sanders MWF 3:00pm - 3:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0105	Discussion
0531	Bradford Sanders MWF 3:00pm - 3:50pm TuTh 3:30pm - 4:50pm	Seats (Total: 25) ARM 0135 MTH 0105	Discussion
0532	Bradford Sanders MWF 3:00pm - 3:50pm TuTh 3:30pm - 4:50pm	Seats (Total: 25) ARM 0135 MTH 0403	Discussion

MATH141H **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

0101	Horst Winkelnkemper MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 22) MTH B0427 MTH B0427
0201	Bradford Sanders M 12:00pm - 1:50pm WF 12:00pm - 12:50pm	Seats (Total: 20) MTH 0307 MTH 0307

MATH199A **Special Topics in Mathematics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Many games have a mathematical component. We will introduce several games, play them, and investigate the underlying mathematics. Students will work in teams on projects that involve developing strategies for new games.

1901	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

MATH206 **Introduction to Matlab**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.

This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Justin Wyss-Gallifent **Meets January 26, 2015 - March 4, 2015** Class time/details on ELMs	Seats (Total: 310) ONLINE

MATH212 **Elements of Numbers and Operations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210.

Reviews and extends topics of arithmetic and number theory related to the elementary school curriculum, particularly number systems and operations with natural numbers, integers, and rationals.

0101	Viktoria Taroudaki MWF 8:00am - 8:50am	Seats (Total: 22) EGR 2154
0201	Viktoria Taroudaki MWF 9:00am - 9:50am	Seats (Total: 25) EGR 2154
0401	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0106
0501	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 22) MTH 0103

MATH213 **Elements of Geometry and Measurement**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213.

Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	David Pincus MWF 10:00am - 10:50am	Seats (Total: 22) MTH 0201
0201	David Pincus MWF 11:00am - 11:50am	Seats (Total: 22) MTH 0201
0401	Karen McLaren MWF 12:00pm - 12:50pm	Seats (Total: 22) MTH 0201

MATH214 **Elements of Probability and Statistics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214.

Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Sean Ballentine MWF 8:00am - 8:50am	Seats (Total: 22) MTH 0302	
0201	Sean Ballentine MWF 9:00am - 9:50am	Seats (Total: 22) MTH 0302	

MATH220 **Elementary Calculus I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR, FSMA

Prerequisite: MATH112, MATH113, or MATH115. Or must have math eligibility of MATH220 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.

Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Instructor: TBA MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0112	Kimberly Fouche MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0121	Instructor: TBA MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0122	Kimberly Fouche MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0131	Instructor: TBA MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion

0132	Kimberly Fouche MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0141	Instructor: TBA MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0142	Kimberly Fouche MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0211	Instructor: TBA MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0212	Instructor: TBA MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0221	Instructor: TBA MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0222	Instructor: TBA MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0231	Instructor: TBA MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0232	Instructor: TBA MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0241	Instructor: TBA MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion

0242	Instructor: TBA MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0311	Timothy Pilachowski TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0312	Instructor: TBA TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0321	Timothy Pilachowski TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0322	Instructor: TBA TuTh 11:00am - 12:15pm M 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0331	Timothy Pilachowski TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0332	Instructor: TBA TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0341	Timothy Pilachowski TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0342	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0401	Paul Koprowski MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0103	
0501	Paul Koprowski MWF 3:00pm - 3:50pm	Seats (Total: 30) MTH 0103	

MATH221 **Elementary Calculus II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221.

Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0306	
0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0306	

MATH240 **Introduction to Linear Algebra**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461.

Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Instructor: TBA MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) PHY 1412 MTH B0427	Discussion
0112	Instructor: TBA MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) PHY 1412 MTH 0307	Discussion
0113	Instructor: TBA MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 27) PHY 1412 MTH B0423	Discussion
0121	Instructor: TBA MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) PHY 1412 MTH B0427	Discussion

0122	Instructor: TBA MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) PHY 1412 MTH 0307	Discussion
0123	Instructor: TBA MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) PHY 1412 MTH B0423	Discussion
0131	Instructor: TBA MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) PHY 1412 MTH 0106	Discussion
0132	Instructor: TBA MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) PHY 1412 MTH 0307	Discussion
0141	Instructor: TBA MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) PHY 1412 MTH 0106	Discussion
0142	Instructor: TBA MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 27) PHY 1412 MTH 0307	Discussion
0401	Maria Cameron MF 12:00pm - 12:50pm W 12:00pm - 1:50pm	Seats (Total: 27) MTH 0405 MTH 0405	

MATH241 **Calculus III**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

All sections will use MATLAB.

0111	Dionisios Margetis MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH B0421	 Discussion
0112	Dionisios Margetis MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0304	 Discussion
0121	Dionisios Margetis MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH B0421	 Discussion
0122	Dionisios Margetis MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0304	 Discussion
0131	Dionisios Margetis MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH B0421	 Discussion
0132	Dionisios Margetis MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0304	 Discussion
0141	Dionisios Margetis MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH B0421	 Discussion
0142	Dionisios Margetis MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0304	 Discussion
0211	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0131 ARM 0103	 Discussion
0212	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0106	 Discussion

0221	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0131 ARM 0103	Discussion
0222	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0106	Discussion
0231	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0131 MTH 0101	Discussion
0232	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0131 MTH 0103	Discussion
0241	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0101	Discussion
0242	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0131 MTH 0103	Discussion
0311	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0312	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0305	Discussion
0321	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 9:30am - 10:20am	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0322	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 9:30am - 10:20am	Seats (Total: 30) ARM 0126 MTH 0305	Discussion

0331	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 31) ARM 0126 MTH 0307	Discussion
0332	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0341	Justin Wyss-Gallifent MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:20pm	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0342	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:20pm	Seats (Total: 30) ARM 0126 ARM 0117	Discussion
0401	Swarnava Mukhopadhyay MTuWF 12:00pm - 12:50pm	Seats (Total: 40) ARM 0105	

MATH241H **Calculus III**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

For general honors students only. MATH 241H will use MATLAB.

0101	Wujun Zhang MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 22) MTH 0104 MTH 0102	

MATH246 **Differential Equations for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

All sections will use MATLAB.

0111	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0112	Instructor: TBA TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) ARM 0126 CHM 0122	Discussion
0113	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 28) ARM 0126 CHM 0128	Discussion
0121	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0122	Instructor: TBA TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) ARM 0126 CHM 0122	Discussion
0123	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) ARM 0126 CHM 0128	Discussion
0131	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0132	Instructor: TBA TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 28) ARM 0126 CHM 0122	Discussion
0141	Elizabeth Wilson TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion

0142	Instructor: TBA TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 28) ARM 0126 CHM 0122	Discussion
0211	Ronald Lipsman TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0403	Discussion
0212	Ronald Lipsman TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0201	Discussion
0213	Ronald Lipsman TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 1313	Discussion
0221	Ronald Lipsman TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0403	Discussion
0222	Ronald Lipsman TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0201	Discussion
0223	Ronald Lipsman TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 1313	Discussion
0231	Ronald Lipsman TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0403	Discussion
0232	Ronald Lipsman TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0241	Ronald Lipsman TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0403	Discussion

0242	Ronald Lipsman TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0311	Instructor: TBA TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0407	Discussion
0312	Instructor: TBA TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0321	Instructor: TBA TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0407	Discussion
0322	Instructor: TBA TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0331	Instructor: TBA TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0407	Discussion
0332	Instructor: TBA TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0341	Instructor: TBA TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0407	Discussion
0342	Instructor: TBA TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0401	Alice Wang TuTh 2:00pm - 3:30pm	Seats (Total: 30) MTH 0304	
0501	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 60) JMZ 0105	

0601	Justin Wyss-Gallifent TuTh 2:00pm - 3:15pm	Seats (Total: 27) ARM 0118

MATH246H **Differential Equations for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

For general honors students only. MATH 246H will use MATLAB.

0101	Michael Jakobson MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0302
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 27) MTH 0303

MATH299A **Selected Topics in Mathematics**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest under the general guidance of the departmental committee on undergraduate studies.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

MATH310 **Introduction to Mathematical Proof**

Credits: 3 Grading Method: Regular

Prerequisite: MATH141; and must have completed or be concurrently enrolled in MATH241 or MATH340; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement.

To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Steve Halperin MWF 9:00am - 9:50am	Seats (Total: 32) MTH 0304
0201	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 35) CHM 0128
0301	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 35) PHY 0405

MATH312 **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH212 and MATH213. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education).

Reasoning and proof as addressed in the middle school curriculum. Topic include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and non-Euclidean geometry.

0101	Carolina Napp-Avelli MW 3:30pm - 4:45pm	Seats (Total: 26) ASY 3211

MATH315 **Algebra for Preservice Middle School Teachers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH112, MATH113, or MATH315.

Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.

0101	Carolina Napp-Avelli TuTh 3:30pm - 4:45pm	Seats (Total: 25) EDU 0114

MATH341 **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH340. Restriction: Open to second semester Freshmen only. Credit only granted for: MATH240, MATH246, MATH341 or MATH461.

A continuation of MATH340.

0101	Thomas Haines MWF 11:00am - 12:15pm	Seats (Total: 22) ARM 0121
0201	Instructor: TBA MWF 12:00pm - 1:15pm	Seats (Total: 22) MTH 1308

MATH386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the CMNS Mathematics Department.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).

Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Jeffrey Adams MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0105
0201	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0405
0301	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 30) PHY 1402
0501	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 30) MTH 1311

MATH402 **Algebraic Structures**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240, MATH341, or MATH461. Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403.

For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Horst Winkelnkemper MWF 3:00pm - 3:50pm	Seats (Total: 22) MTH 0106

MATH403 **Introduction to Abstract Algebra**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH340); and 1 course with a minimum grade of C- from (MATH341, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department. Credit only granted for: MATH402 or MATH403.

Integers; groups, rings, integral domains, fields.

0101	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0104
0201	Thomas Haines MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0302

MATH404 **Field Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH403.

Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

0101	Patrick Brosnan MWF 10:00am - 10:50am	Seats (Total: 22) MTH 1311

MATH405 **Linear Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and minimum grade of C- in MATH310.

An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Amin Gholampour MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0411

MATH406 **Introduction to Number Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.

Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0411
0201	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 27) MTH 1308
0301	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH B0421

MATH410 **Advanced Calculus I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. And permission of CMNS-Mathematics department.

First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0106
0201	Leonid Koralov MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH 0305
0301	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0106
0401	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0401

MATH411 **Advanced Calculus II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412.

Continuation of MATH410.

0101	Manoussos Grillakis MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0106
0201	Matei Machedon TuTh 11:00am - 12:15pm	Seats (Total: 27) MTH 1308

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141; and (MATH240, MATH461, or MATH341); and familiarity with MATLAB is required.

Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	McBlaine Boyle	Seats (Total: 27)
	TuTh 12:30pm - 1:45pm	MTH 1308

MATH420 **Mathematical Modeling**

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341); and minimum grade of C- in STAT400. Also offered as: AMSC420. Credit only granted for: AMSC420 or MATH420.

The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Wojciech Czaja	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	MTH 1313

MATH430 **Euclidean and Non-Euclidean Geometries**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461).

Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Frances Gulick	Seats (Total: 22)
	MWF 1:00pm - 1:50pm	MTH 1311

MATH437 **Differential Forms**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 or MATH340; and (MATH461, MATH240, or MATH341). Recommended: MATH405, MATH403, MATH436, MATH410, or MATH432.

Introduction to differential forms and their applications, and unites the fundamental theorems of multivariable calculus in a general Stokes Theorem that is valid in great generality. It develops this theory and technique to perform calculations in analysis and geometry. Topics include an introduction to topological spaces, the Gauss-Bonnet Theorem, Gauss's formula for the linking number, and the Cauchy Integral Theorem. Applications include Maxwell's equations of electromagnetism, connections and gauge theory, and symplectic geometry and Hamiltonian dynamics.

0101	Sergei Novikov MWF 12:00pm - 12:50pm	Seats (Total: 22) MTH 0409

MATH446 **Axiomatic Set Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH403 or MATH410.

Development of a system of axiomatic set theory, choice principles, induction principles, ordinal arithmetic including discussion of cancellation laws, divisibility, canonical expansions, cardinal arithmetic including connections with the axiom of choice, Hartog's theorem, Konig's theorem, properties of regular, singular and inaccessible cardinals.

0101	Michael Laskowski TuTh 2:00pm - 3:15pm	Seats (Total: 22) MTH 0409

MATH456 **Cryptology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed two 400-level MATH courses (not to include MATH 461, 478, and 480's) with a minimum grade of C-. Or minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456.

Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 37) PHY 1201
0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 55) CSI 2117

MATH461 **Linear Algebra for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.

Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0101	Raluca Rosca MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0106
0201	Benjamin Manning TuTh 9:30am - 10:45am	Seats (Total: 30) MTH 0411
0301	Raluca Rosca MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0304
0401	Konstantina Trivisa TuTh 2:00pm - 3:15pm	Seats (Total: 55) ARM 0135
0501	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 75) ARM 0126
0601	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 29) MTH 0302
0701	Tobias von Petersdorff TuTh 9:30am - 10:45am	Seats (Total: 30) JMP 2202

MATH462 **Partial Differential Equations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 or MATH340; and (MATH246 or MATH341).

Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0409

MATH463 **Complex Variables for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 or MATH340.

The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Dionisios Margetis MWF 11:00am - 11:50am	Seats (Total: 30) MTH 1313
0201	David Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0403

MATH464 **Transform Methods for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246 or MATH341.

Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Doron Levy TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0306

MATH475 **Combinatorics and Graph Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 or MATH341; and (MATH241 or MATH340); and permission of CMNS-Mathematics department. Also offered as: CMSC475. Credit only granted for: MATH475 or CMSC475.

General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 30)
	MWF 10:00am - 10:50am	MTH 0303

MATH478A **Selected Topics For Teachers of Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students participate in a vertically integrated (undergraduate, graduat and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

(Perm req)

Credits: 1-9 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.

Contact department for information to register for this course.

MATH601 **Abstract Algebra II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH600.

Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra.

Offered Spring only.

0101	James Schafer	Seats (Total: 22)
	TuTh 9:30am - 10:45am	MTH 1311

MATH620 **Algebraic Number Theory I**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH601.

Algebraic numbers and algebraic integers, algebraic number fields of finite degree, ideals and units, fundamental theorem of algebraic number theory, theory of residue classes, Minkowski's theorem on linear forms, class numbers, Dirichlet's theorem on units, relative algebraic number fields, decomposition group, inertia group and ramification group of prime ideals with respect to a relatively Galois extension.

0101	Niranjan Ramachandran	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 1308

MATH631 **Real Analysis II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH630.

Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem.

Offered Spring only.

0101	Kasso Okoudjou	Seats (Total: 22)
	TuTh 12:30pm - 1:45pm	MTH 0302

MATH636 **Representation Theory**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH631.

Introduction to representation theory of Lie groups and Lie algebras; initiation into non-abelian harmonic analysis through a detailed study of the most basic examples, such as unitary and orthogonal groups, the Heisenberg group, Euclidean motion groups, the special linear group. Additional topics from the theory of nilpotent Lie groups, semisimple Lie groups, p-adic groups or C-algebras.

0101	Instructor: TBA	Seats (Total: 22)
	MWF 10:00am - 10:50am	MTH 1308

MATH643 **Dynamical Systems II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH642; or students who have taken courses with comparable content may contact the department.

Entropy theory, variational principle for the entropy, expansiveness, measures with maximal entropy. Smooth systems on manifolds, diffeomorphisms and flows, periodic points, stable and unstable manifolds, homoclinic points, transversality, the Krupka-Smale theorem, Morse-Smale systems. Hyperbolicity, Anosov systems, distributions and foliations, strange attractors, Bowen's measure.

0101	Vadim Kaloshin	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 0307

MATH660 **Complex Analysis I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH410; or students who have taken courses with comparable content may contact the department.

Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Michael Jakobson	Seats (Total: 22)
	MWF 11:00am - 11:50am	MTH 1311

MATH674 **Partial Differential Equations II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: AMSC674. Credit only granted for: AMSC674 or MATH674.

Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions.

Offered Spring only.

0101	Matei Machedon	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	MTH 2300

MATH689 **Research Interactions in Mathematics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

MATH734 **Algebraic Topology**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH403; or students who have taken courses with comparable content may contact the department. Recommended: MATH730.

Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology.

Offered Spring only.

0101	Christian Zickert	Seats (Total: 22)
	TuTh 12:30pm - 1:45pm	MTH 0411

MATH740 **Fundamental Concepts of Differential Geometry**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH405, MATH411, and MATH730; or students who have taken courses with comparable content may contact the department.

Manifolds, tangent vectors and differential forms, Riemannian metrics, connections, curvature, structure equations, geodesics, calculus of variations.

0101	Jonathan Rosenberg	Seats (Total: 22)
	MWF 9:00am - 9:50am	MTH 1308

MATH799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MATH808A **Selected Topics in Algebra**

Credits: 1-3 Grading Method: Regular

Advanced topics of current interest.

Contact department for information to register for this course.

MATH808C **Selected Topics in Algebra; Algebraic Surfaces**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Patrick Brosnan	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 1311

MATH818A **Selected Topics in Logic**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH848A **Selected Topics in Geometry and Topology**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH848B **Selected Topics in Geometry and Topology; Hamilton's Ricci Flow**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Instructor: TBA	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHM 0124

MATH858A **Selected Topics in Analysis**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH858R **Selected Topics in Analysis; Sparse and Low Rank Representations: Analytical Methods and Industrial Applications**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Radu Balan	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 1110

MATH858T **Selected Topics in Analysis; Stochastic Methods with Applications**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Maria Cameron	Seats (Total: 20)
	MWF 10:00am - 10:50am	MTH B0427

MATH868A **SelectedTopics in Complex Analysis**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Spring 2015

MEES498E **Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lecture and/or laboratory series organized to study a selected area of marine-estuarine-environmental sciences not otherwise considered in formal courses.

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Christopher Rowe	Seats (Total: 20)
	TuTh 10:00am - 11:30am	HJP 1213B

MEES498T **Topics in Marine-Estuarine-Environmental Sciences; Marine and Environmental Biotechnology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Lecture and/or laboratory series organized to study a selected area of marine-estuarine-environmental sciences not otherwise considered in formal courses.

0101	Jum Sook Chung	Seats (Total: 20)
	Contact instructor or department for details.	

MEES605 **Energy and Environment**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH220; or students who have taken courses with comparable content may contact the department. Also offered as: ENST605. Credit only granted for: ENST405, ENST605, MEES605, or MEES698Z. Formerly: MEES698Z.

Role of energy in environmental and human-dominated systems and their linkage. Discussion of the historical and modern production and consumption of energy. Energy systems simulation modeling, energy analysis and energy auditing. Review of national energy policies and proposed alternatives.

0101	David Tilley	Seats (Total: 20)
	M 6:00pm - 9:00pm	ANS 0422

MEES608C **Seminar in Marine-Estuarine-Environmental Sciences; Diseases in Chesapeake Bay Fisheries**

Credits: 2 Grading Method: Regular, Audit

Taught at IMET on the Interactive Video Network.

0101	Eric Schott	Seats (Total: 16)
	M 2:00pm - 4:00pm	HJP 1213B

MEES608J **Seminar in Marine-Estuarine-Environmental Sciences; Seminar in Oyster Science and Management: Current Topics and Future Directions**

Credits: 1 Grading Method: Regular, Audit

Taught at the Horn Point Lab and on the Interactive Video Network.

0101	Elizabeth North	Seats (Total: 30)
	Th 9:00am - 9:50am	HJP 1213B

MEES608L **Seminar in Marine-Estuarine-Environmental Sciences; Molecular Microbial Ecology**

Credits: 2 Grading Method: Regular, Audit

Taught at the Institute of Environmental Technology and on the Interative Video Network.

0101	Russell Hill, Feng Chen	Seats (Total: 15)
	Th 3:30pm - 5:30pm	HJP 1213B

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in OMICS: Cell Biology and Neurosciences**

Credits: 2 Grading Method: Regular, Audit

Course is taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Jum Sook Chung, Shao Du	Seats (Total: 15)
	F 12:00pm - 2:00pm	HJP 1213B

MEES608X **Seminar in Marine-Estuarine-Environmental Sciences; Advanced Topics in Aquatic Ecology**

Credits: 1 Grading Method: Regular, Audit

Taught on Interactive Video Network.

0101	Raymond Morgan	Seats (Total: 10)
	Tu 9:00am - 10:00am	HJP 1213B

MEES611 **Estuarine Systems Ecology**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

A broad systems perspective on the important components and processes o estuarine ecosystems, with quantitative and/or mathematical treatment toward development of representative models for estuarine dynamics.

Taught on the Interactive Video Network.

0101	William Kemp, Jeremy Testa	Seats (Total: 20)
	TuTh 11:30am - 1:00pm	HJP 1213B

MEES614 **Landscape Ecology**

(Perm req)

Credits: 4 Grading Method: Regular

Restriction: Permission of instructor.

Landscape ecology emphasizes spatial patterning--its causes, development, and importance for ecological processes. Students will become familiar with concepts, methods, and applications of landscape ecology through reading classic and contemporary literature representative of state-of-the-art research; class lectures; completion of two projects designed to provide "hands on" experience with some of the quantitative methods and tools; and completion of one independent project.

Taught at the Applalchian Laboratory and on the Interactive Video Network.

0101	Matthew Fitzpatrick	Seats (Total: 20)
	MW 11:30am - 1:00pm	HJP 1213B

MEES627 **Environmental Geochemistry II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MEES626; or permission of instructor. Credit only granted for: MEES627 or MEES698K. Formerly: MEES698K.

Detailed examination of aquatic geochemical cycles, including inorganic and organic geochemistry. Topics include global biogeochemical cycles, estuarine cycling, redox cycles, radiochemistry, stable isotope biogeochemistry and sediment biogeochemistry/diagenesis.

Taught on the Interactive Video Network.

0101	Jeffrey Cornwell, Kelly Kilbourne	Seats (Total: 25)
	MW 8:30am - 10:00am	HJP 1213B

MEES661 **Physics of Estuarine and Marine Environments**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed one year of physics coursework; and must have completed one year of calculus coursework. Or permission of instructor.

General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation.

Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Shenn-Yu Chao, Ming Li	Seats (Total: 25)
	TuTh 1:00pm - 2:30pm	HJP 1213B

MEES681 **Advanced Ecological Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH220 and PHYS121; and (CHEM131; or students who have taken courses with comparable content may contact the department). Or permission of instructor. Also offered as: ENST481, ENST681. Credit only granted for: ENST481, ENST681, or MEES681.

An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

0101	Stephanie Lansing	Seats (Total: 20)
	Contact instructor or department for details.	

MEES698B **Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Statistics I**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Taught at Chesapeake Biological Laboratory on the Interactive Video Network.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 1:00pm - 2:30pm	HJP 1213C

MEES698D **Special Topics in Marine-Estuarine-Environmental Sciences; Visualization and Interpretation of Experimental Research Data Using JMP**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Prerequisite: a course in statistical analysis and design. Also offere as PLSC689E. Credit granted for PLSC689E or MEES698D. Students will learn the basics of data management and exploration usin JMP. Using real data sets, students will develop hypotheses, determine appropriate statistical approaches to test hypotheses, explore data fo errors and statistical assumptions, perform statistical analyses, interpret results, and prepare tables, figures, and text to communicat results. Each student will present a final project based on a dataset of their choice.

0101	Marla McIntosh	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	PLS 1158

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Christopher Rowe	Seats (Total: 20)
	TuTh 10:00am - 11:30am	HJP 1213B

MEES698J **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Industrial Ecology**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Also offered as ENST443 and ENST643. Credit granted for ENST443, ENST643, or MEES698J.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am W 11:00am - 2:50pm	ANS 0422 ANS 0538	Lab

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Field course in New Mexico.

0101	John Hoogland	Seats (Total: 10)
	Contact instructor or department for details.	

MEES698Q **Special Topics in Marine-Estuarine-Environmental Sciences; Plant Physiology**

Credits: 3 Grading Method: Regular

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

0101	David Nelson	Seats (Total: 2)
	Contact instructor or department for details.	

MEES698T **Special Topics in Marine-Estuarine-Environmental Sciences; Marine and Environmental Biotechnology**

Credits: 4 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Taught at IMET and on the Interactive Video Network with participation by faculty from UMBC, UMB, and UMCES.

0101	Jum Sook Chung	Seats (Total: 20)
	Contact instructor or department for details.	

MEES698V **Special Topics in Marine-Estuarine-Environmental Sciences; Sustainable Aquaculture**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Taught on the Interactive Video Network.

0101	L Woods	Seats (Total: 10)
	TuTh 10:00am - 11:30am	HJP 1213C

MEES698X **Special Topics in Marine-Estuarine-Environmental Sciences; Phytoplankton Physiological Ecology**

(Perm req)

Credits: 3 Grading Method: Regular

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Prerequisite: Permission of the instructor only. Taught at Horn Point Laboratory.

0101	Patricia Glibert	Seats (Total: 12)
	Contact instructor or department for details.	

MEES698Y **Special Topics in Marine-Estuarine-Environmental Sciences; Science for Environmental Management**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Taught on the Interactive Video Network.

0101	William Dennison, Donald Boesch	Seats (Total: 25)
	W 3:30pm - 6:30pm	HJP 1213B

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research on specialized topics under the direction of individual faculty members.

Contact department for information to register for this course.

MEES708D **Advanced Topics in Marine-Estuarine-Environmental Science; Stratified Turbulence**

Credits: 2 Grading Method: Regular, Audit

Lectures, experimental courses and other specialized graduate training in various relevant disciplines.

Taught at Horn Point Laboratory on the Interactive Video Network.

0101	Lawrence Sanford, Nicholas Nidzieko	Seats (Total: 16)
	F 11:00am - 1:00pm	HJP 1213B

MEES708E **Advanced Topics in Marine-Estuarine-Environmental Science; Stratified Turbulance**

Credits: 1 Grading Method: Regular, Audit

Lectures, experimental courses and other specialized graduate training in various relevant disciplines.

0101	Nicholas Nidzieko, Lawrence Sanford	Seats (Total: 1)
	F 11:00am - 12:30pm	HJP 1213B

MEES712 **Advanced Population Dynamics and Assessment**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MEES607 or BIOM601; or permission of instructor. Credit only granted for: MEES698D or MEES712. Formerly: MEES698D.

Quantitative and modeling skills, including understanding of population dynamics and responses of populations to exploitation and management actions. Coverage of population models of production, mortality, stock and recruitment, age and growth, and harvesting, and methods for using these models to provide management advice.

0101	Michael Wilberg	Seats (Total: 17)	
	MW 10:00am - 11:30am	HJP 1213B	
	F 10:00am - 11:00am	HJP 1213B	Discussion

MEES799 **Masters Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Spring 2015

MIEH309 **Environmental Health Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

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0201	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0207	Michael Grantham Contact instructor or department for details.	Seats (Total: 5)
0208	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0209	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0210	Muhiuddin Haider Contact instructor or department for details.	Seats (Total: 5)

MIEH600 **Foundations of Environmental Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.

Overview of the chemical, physical and biological hazards present in ou living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Sacoby Wilson M 4:00pm - 6:45pm *A minor portion of the lectures will be online.*	Seats (Total: 25) SPH 0308

PLH1	James McDevitt	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

MIEH688 **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

Credits: 1 Grading Method: Sat-Fail

Invited and in-house research presentations from guest scientists, faculty members, and students, and critical analysis of journal articles on current topics in environmental and occupational health.

0101	Paul Turner	Seats (Total: 10)
	Contact instructor or department for details.	

MIEH720 **Principles of Toxicology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MIEH600. Recommended: Must have completed some coursework in chemistry and/or biology.

Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

0101	Paul Turner	Seats (Total: 25)
	Th 1:00pm - 3:45pm	PLS 1115

MIEH770 **Law and Policy in Environmental Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MIEH600.

Overview of laws that affect the environment, and the various ways in which businesses are regulated by the government in the interest of protecting the environment. International, Federal, state, and local laws and regulations related to the protection of human health and the regulation of environmental containments, including biological, physicalanc chemical factors affecting community health. Examination of the interactions between and differing responsibilities of various agencies enforcing environmental laws and regulations.

0101	Sacoby Wilson	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	SPH 0303

MIEH771 **Exposure Assessment of Environmental Hazards**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MIEH600 and EPIB650.

Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

0101	Amir Sapkota	Seats (Total: 25)
	M 4:00pm - 6:45pm	PLS 1111

MIEH785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Amy Sapkota	Seats (Total: 1)
	Contact instructor or department for details.	

MIEH786 **Captsone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Amy Sapkota	Seats (Total: 11)
	Contact instructor or department for details.	

MIEH788 **Critical Readings in Environmental Health**

Credits: 1-3 Grading Method: Regular, Audit

In-depth examination and critical discussion of the current literature relevant to environmental health.

Contact department for information to register for this course.

MIEH789 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MLAW MPower Undergraduate Law Programs Spring 2015

MLAW150 **Law in a Just Society**

Credits: 3 Grading Method: Regular

Restriction: Must be in the College Park Scholars - Justice and Legal Thought program.

An exploration of the theoretical questions relating to such fundamental questions of jurisprudence as "what is law?" and "how can law be deployed as both an enemy and ally of justice?

0101	Instructor: TBA TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) CCC 1205 CCC 1200	 Discussion
0102	Instructor: TBA TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) CCC 1205 CCC 1200	 Discussion

1032	Instructor: TBA	Seats (Total: 25)	
	TuTh 2:00pm - 2:50pm	CCC 1205	
	F 11:00am - 11:50am	CCC 1200	Discussion

MLAW348C **The Supreme Court and the Constitution; Supreme Court and the Constitution**

Credits: 3 Grading Method: Regular

An exploration of the Supreme Court through the lens of theories of judicial review. Major interpretations of how the Court interprets the Constitution at play.

Restrictions: Restricted to Law and Society minor students or Must obtain Department Permission from Brandee Pettus. Focuses on the role of the Supreme Court in interpreting and applying the Constitution. Students will explore various theories of constitutional interpretation by examining the opinions and judicial philosophies of current Supreme Court justices. The class will then apply those theories to a series of current constitutional debates. Potential controversies include same-sex marriage, voting rights, religious accommodation and warrantless surveillance by the government. If feasible, the class will include a visit to the Supreme Court and a presentation by current or former Supreme Court clerks.

0101	Jana Singer, Robert Koulish	Seats (Total: 30)
	TuTh 9:30am - 10:45am	LEF 1220

MLAW377 **The Legal Profession**

Credits: 3 Grading Method: Regular

Restriction: Must be in the Law and Society Minor.

MLAW 377 is designed to introduce students to a variety of legal fields. The course is designed to combine social science literature about the legal profession with real world experiences with lawyers and legal workers. It will address questions about law as a profession, field of advocacy and as a business.

0101	Brandee Pettus, Robert Koulish	Seats (Total: 75)
	TuTh 3:30pm - 4:45pm	ASY 1213

MLAW388 **Law and Society Internship**

Credits: 1-4 Grading Method: Regular

Participation in the Law and Society Internship (LASI) offers students the opportunity to enhance their education through practical skill building in the realm of law-related professionals.

Restricted to students within the Law and Society minor.

0101	Brandee Pettus, Robert Koulish	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

MOCB Molecular and Cell Biology Spring 2015

MOCB699 **Laboratory Rotation**

(Perm req)

Credits: 2-3 Grading Method: Sat-Fail

Laboratory experience in molecular-cell biology.

Contact department for information to register for this course.

MOCB708C **Advanced Topics in Molecular and Cell Biology; Lipid Metabolism**

Credits: 1-4 Grading Method: Regular, Audit

Lectures, experimental courses, and other special instructions in various areas of molecular or cell biology.

0101	Liqing Yu	Seats (Total: 20)
	MW 10:00am - 11:15am	ANS 0402

MOCB898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MUED Music Education Spring 2015

MUED155 **Fundamentals for the Classroom Teacher**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major.

The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Jessica Kendal TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 2160
0201	Jessica Kendal TuTh 4:15pm - 5:30pm	Seats (Total: 25) PAC 2160

MUED187 **Pre-Professional Experiences II**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUED186. Restriction: Must be in Music Education program.

Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

0101	Glen Brumbach F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2130A

MUED216 **Percussion Technique and Pedagogy**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Music Education program.

Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Daniel Villanueva MWF 8:00am - 8:50am	Seats (Total: 15) PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Music Education program.

Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Glen Brumbach MWF 10:00am - 10:50am	Seats (Total: 15) PAC 2540

MUED222 **Classroom Instruments Technique and Pedagogy**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program.

An introduction to the fundamentals of classroom instruments technique and pedagogy for the choral and general teacher.

0101	Janet Montgomery W 12:00pm - 1:50pm	Seats (Total: 15) PAC 2130A

MUED311 **Teaching Elementary Instrumental Music I**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUED187. Restriction: Must be in Music Education program.

Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

0101	Stephanie Prichard TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 2540

MUED411 **Teaching Elementary Instrumental Music II**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUED320 and MUED311. Corequisite: MUED489. Restriction: Must be in Music Education program.

Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

0101	Stephanie Prichard Tu 11:00am - 11:50am Th 9:00am - 11:50am	Seats (Total: 15) PAC 2540 PAC 2540

MUED472 **Teaching Choral Music**

(Perm req)

Credits: 2 Grading Method: Regular, Audit General Education: DSSP

Prerequisite: MUED471. Corequisite: MUED489. Restriction: Must be in Music Education program.

Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

0101	Kenneth Elpus W 4:00pm - 6:00pm	Seats (Total: 15) PAC 2130A

MUED473 **Teaching General Music for Instrumentalists**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUED311; and MUED320. Restriction: Must be in Music Education program.

Introduction to current trends, materials and approaches in general music instruction.

0101	Janet Montgomery Tu 9:00am - 10:40am	Seats (Total: 20) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and senior standing.

Field experiences to fulfill teaching requirements in K-12 music teache education program.

0101	Kenneth Elpus Tu 7:30pm - 8:30pm	Seats (Total: 15) PAC 2160

MUED484 **Student Teaching in Elementary School: Music**

(Perm req)

Credits: 4-6 Grading Method: Sat-Fail

Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.

Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

Students must pay a $750.00 student teaching fee.

0101	Stephanie Prichard	Seats (Total: 15)
	Contact instructor or department for details.	

MUED489C **Field Experiences**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Series of field experiences in K-12 settings.

Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Kenneth Elpus	Seats (Total: 10)
	Th 9:00am - 12:00pm	PAC 2130A

MUED489I **Field Experiences**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Series of field experiences in K-12 settings.

Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Stephanie Prichard	Seats (Total: 15)
	Contact instructor or department for details.	

MUED494 **Student Teaching in Secondary School: Music**

(Perm req)

Credits: 4-6 Grading Method: Sat-Fail

Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.

Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

Students must pay a $750.00 student teaching fee.

0101	Stephanie Prichard	Seats (Total: 15)
	Contact instructor or department for details.	

MUED790 **Design and Analysis of Research in Music Education**

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed a college-level statistics course. And MUED690; or an equivalent master's level research in music education course.

Advanced applications of quantitative and qualitative social science research paradigms to research problems in the field of music education. Topics include the formation of researchable questions; the design of experimental, quasi-experimental, descriptive, and qualitative research studies; and the analysis and interpretation of research data.

0101	Kenneth Elpus	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC School of Music Spring 2015

MUSC099 **Performance Attendance**

Credits: 0 Grading Method: Sat-Fail

Performance attendance laboratory for undergraduate music majors.

0101	Zachariah Matteson	Seats (Total: 150)
	Contact instructor or department for details.	

MUSC102B **Class Piano**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.

0101	David Henry	Seats (Total: 14)
	TuTh 9:30am - 10:45am	PAC 1123

MUSC103 **Beginning Class Piano II**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MUSC102; or permission of ARHU-School of Music department.

Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun.

Limited to music majors.

0101	David Henry TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123
0201	Mijail Tumanov Pavlov MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Mijail Tumanov Pavlov MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101	Gerard Kunkel MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC126 **Vocal Diction: English and Latin**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department.

Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

0101	Diba Alvi TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164

MUSC128 **Sight Reading For Pianists**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A course to give the piano major an opportunity to develop proficiency in sight reading at the keyboard.

0101	Katerina Zaitseva	Seats (Total: 10)	
	MW 10:00am - 10:50am	PAC 2201	

MUSC129A **Ensemble; Chamber Strings**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Contact instructor to make arrangements. For Music majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Contact instructor to make arrangements. For Music majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Brasses**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

For Music majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129K **Ensemble; Japanese Koto**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129P **Ensemble; Percussion**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Robert Burns	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Sebastian Wang Th 7:00pm - 8:30pm	Seats (Total: 17) PAC 2170	 Lab

MUSC140 **Music Fundamentals I**

Credits: 3 Grading Method: Regular, Audit CORE: HA General Education: DSSP

Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).

Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Henry Wixon MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 13) PAC 2168 PAC 1108	 Discussion
0102	Henry Wixon MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0201	Henry Wixon MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 13) PAC 2168 PAC 1108	 Discussion
0202	Henry Wixon MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion

MUSC151 **Theory of Music II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in MUSC150.

A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0202	Instructor: TBA MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab
0301	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0302	Instructor: TBA MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab

MUSC203 **Intermediate Class Piano II**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC202; or must have equivalent piano training.

Advanced keyboard techniques. Continuation of skills introduced in MUSC202. Transposition, modulation and sight reading; methods of teaching functional piano. Development of style in playing accompaniments and in playing for community singing. More advanced repertory.

0101	Katerina Zaitseva MWF 9:00am - 9:50am	Seats (Total: 10) PAC 1123	

MUSC204 **Popular Music in Black America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Traces black popular music in the U.S. with a special focus on spirituals, ragtime, the blues, early jazz, R&B, Motown, funk, soul, and rap. Examines how these styles have been borrowed by the American music industry.

0101	Kendra Salois MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 PAC 2164	Discussion
0102	Kendra Salois MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 PAC 2164	Discussion
0103	Kendra Salois MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 PAC 2164	Discussion
0104	Kendra Salois MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 PAC 3164	Discussion
0105	Kendra Salois MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 PAC 3164	Discussion
0106	Kendra Salois MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 PAC 3164	Discussion

MUSC205 **History of Popular Music, 1950-Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion

0102	Richard King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0103	Richard King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0105	Instructor: TBA MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0106	Instructor: TBA MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0107	Richard King MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Richard King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0110	Instructor: TBA MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion
0111	Instructor: TBA MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion

0112	Instructor: TBA MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion

MUSC210 **The Impact of Music on Life**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU, DVUP

Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.

Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Instructor: TBA MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Instructor: TBA MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 ITV 1111	Discussion

0108	Instructor: TBA MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 ITV 1111	Discussion
0109	Instructor: TBA MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 ITV 1111	Discussion
0110	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 0212	Discussion
0111	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 0212	Discussion
0112	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 EDU 0212	Discussion

MUSC215 **World Popular Musics and Identity**

Credits: 3 | Grading Method: Regular, Audit | CORE: HA, D | General Education: DSHU, DVUP

Credit only granted for: MUET200 or MUSC215. Formerly: MUET200.

Focus on popular musics in different cultures with an emphasis on cross-cultural comparisons and analysis of how musics and identity intersect.

0101	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 SPH 1302	Discussion
0102	Instructor: TBA MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 SPH 1302	Discussion
0103	Instructor: TBA MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 SPH 1302	Discussion

0104	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 HBK 1108	Discussion
0105	Laura Schnitker MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) HJP 0226 HBK 1108	Discussion
0106	Laura Schnitker MW 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 25) HJP 0226 HBK 1108	Discussion
0107	Laura Schnitker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) HJP 0226 JMP 1202	Discussion
0108	Laura Schnitker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 JMP 1202	Discussion
0109	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 JMP 1202	Discussion

MUSC220 **Selected Musical Cultures of the World**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU, DVUP

Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.

A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	Kendra Salois MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) JMP 3201 PAC 3168	Discussion
0102	Kendra Salois MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) JMP 3201 PAC 3168	Discussion

0103	Kendra Salois MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) JMP 3201 PAC 3168	Discussion
0104	Kendra Salois MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) JMP 3201 PAC 3160	Discussion
0105	Kendra Salois MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) JMP 3201 PAC 3160	Discussion
0106	Kendra Salois MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) JMP 3201 PAC 3160	Discussion

MUSC226 **Vocal Diction: French**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.

Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

0101	Diba Alvi TuTh 2:00pm - 2:50pm	Seats (Total: 20) PAC 2164

MUSC228 **Introduction to Accompanying for Pianists**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A course to introduce the piano major to accompanying at an intermediat level of difficulty. Class instruction will center on rehearsal and coaching geared toward performance, and will be supplemented by experience working as an accompanist in voice classes or applied studios.

Restriction: Must be in a major within ARHU-School ofMusic department. Permission of ARHU-School of Music department.

Contact department for information to register for this course.

MUSC229A **Ensemble; Symphony Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Lowell Sparks Th 7:00pm - 10:00pm	Seats (Total: 60) PAC 2540	

MUSC229J **Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	Lab
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 30) PAC 1230	Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 35) PAC 1230	Lab

MUSC229P **Ensemble; Pep Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 150)

MUSC229R **Ensemble; Repertoire Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Enrico Lopez-Yanez, James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh, Lowell Sparks W 7:30pm - 9:30pm	Seats (Total: 150) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 5)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)
0301	Andrew Hare Contact instructor or department for details.	Seats (Total: 10)
0401	Griffith Kazmierczak Contact instructor or department for details.	Seats (Total: 10)

MUSC251 **Advanced Theory of Music II**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in MUSC250.

A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Thomas DeLio TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0102	Instructor: TBA TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0201	Thomas DeLio TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0202	Instructor: TBA TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0301	Daniel Zimmerman TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3160 PAC 3160	 Lab
0302	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160 PAC 3160	 Lab

MUSC269A **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC269F **Special Topics in Study Abroad II; Exploring Music and Society: Flamenco**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC269M **Special Topics in Study Abroad II; Czech Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC320 **Music History II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC310; and permission of ARHU-School of Music department. Credit only granted for: MUSC230 or MUSC320. Formerly: MUSC230.

A historical study of Western music from 1600 to 1800.

0101	Richard King MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2200 PAC 2164	 Discussion
0102	Richard King MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2200 PAC 2164	 Discussion

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MUSC329A **Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary TuTh 4:30pm - 6:00pm	Seats (Total: 80) PAC 2201	 Lab

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MUSC329B **Ensemble; Chamber Singers**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	MW 3:00pm - 3:50pm	PAC 2201	
	TuTh 3:30pm - 4:20pm	PAC 2201	

MUSC329E **Ensemble; Gospel Choir**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Edward Maclary	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC329O **Ensemble; Opera Chorus**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Edward Maclary	Seats (Total: 30)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC329W **Ensemble; Women's Chorus**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Kenneth Elpus	Seats (Total: 60)
	MWF 12:00pm - 12:50pm	PAC 2201

MUSC369M **Special Topics in Study Abroad III; Masterpieces of Italian Opera**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC379 **Opera Workshop**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Open to music and non-music majors (by audition). Operatic production and performance, performance techniques and coaching, stage direction, set design, costume design and make-up. Repertory will include smaller operatic works, excerpts or scenes.

0101	Nicholas Olcott	Seats (Total: 15)
	MW 4:00pm - 6:00pm	PAC 2170

MUSC386 **Experiential Learning**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MUSC388 **Music Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Pre-professional field work in music.

Prerequisite: permission of instructor.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0401	Richard Scerbo Contact instructor or department for details.	Seats (Total: 5)

MUSC389 **Music Internship Analysis**

(Perm req)

Credits: 1 Grading Method: Regular

Documentation and evaluation of field work experience.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0401	Richard Scerbo Contact instructor or department for details.	Seats (Total: 5)

MUSC400V **Music Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSP315; and permission of ARHU-School of Music department.

Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Diba Alvi TuTh 9:00am - 10:15am	Seats (Total: 25) PAC 2170

MUSC436 **Jazz: Then and Now**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major styles and influential artists of the past 75 years of jazz.

0101	Leigh Pilzer MW 4:15pm - 5:30pm	Seats (Total: 20) PAC 3160

MUSC438D **Area Studies in Ethnomusicology; Music of Peru, Bolivia and Ecuador**

(Perm req)

Credits: 3 Grading Method: Regular

Advanced study of musics in selected parts of the world.

0101	Fernando Rios M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC438X **Area Studies in Ethnomusicology; Music of China and Japan**

(Perm req)

Credits: 3 Grading Method: Regular

Advanced study of musics in selected parts of the world.

0101	John Witzleben W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC444 **Wind and Percussion Literature**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419.

Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSP316; and permission of ARHU-School of Music department.

Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MUSC448E **Selected Topics in Music; Symphonic Literature**

(Perm req)

Credits: 3 Grading Method: Regular

0101	Olga Haldey	Seats (Total: 12)
	Tu 7:00pm - 9:30pm	PAC 2164

MUSC448F **Selected Topics in Music; Style Analysis**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC448L **Selected Topics in Music; The Italian Opera Libretto in English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as ITAL475. Credit will be granted for ITAL475 or MUSC448 L.

Contact department for information to register for this course.

MUSC448M **Selected Topics in Music; Music, Movement, Mind, and Score: A Course in Improvisation,Collaboration, and Art-making**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

0101	James Ross	Seats (Total: 16)
	M 4:00pm - 6:30pm	PAC 2540

MUSC448P **Selected Topics in Music; How to Win an Orchestral Audition**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

0101	Robert DiLutis	Seats (Total: 15)
	M 3:00pm - 4:30pm	PAC 2164

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC450 **Musical Form**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC251.

A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC454 **Jazz Improvisation II**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC453; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC346 or MUSC454. Formerly: MUSC346.

Continuation of MUSC453 including scoring and transcription.

0101	Gerard Kunkel	Seats (Total: 5)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC456 **Jazz Arranging**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC455; and permission of ARHU-School of Music department. Credit only granted for: MUSC448N or MUSC456. Formerly: MUSC448N.

A comprehensive approach to jazz arranging. Topics to include chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

0101	Timothy Powell	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	PAC 2168

MUSC463 **Applications in Music Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A hands-on study of computer hardware and software that makes use of th MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Geoffrey Sheil Th 1:00pm - 3:30pm	Seats (Total: 16) PAC 1108

MUSC467 **Piano Pedagogy I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department.

A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Cleveland Page MW 11:00am - 12:15pm	Seats (Total: 15) PAC 2164

MUSC469D **Orchestral Excerpts for String Players**

(Perm req)

Credits: 1 Grading Method: Regular

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Daniel Foster F 11:00am - 11:50am	Seats (Total: 5) PAC 2168

MUSC469F **Orchestral Excerpts for String Players; Bass**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Robert Oppelt W 4:30pm - 5:45pm	Seats (Total: 15) Location: TBA

MUSC469V **Orchestral Excerpts for String Players; HARP**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Sarah Fuller Contact instructor or department for details.	Seats (Total: 15)

MUSC470 **Harmonic and Contrapuntal Practices of the Twentieth Century**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department.

A theoretical and analytical study of twentieth century materials.

0101	Mark Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 3168

MUSC485 **Music in the 20th Century**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department.

Survey of western music from 1900 to the present.

0101	Olga Haldey W 4:00pm - 6:30pm	Seats (Total: 25) PAC 3168

MUSC486 **Orchestration I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC251; and permission of ARHU-School of Music department.

A study of the ranges, musical functions and technical characteristics of the instruments and their color possibilities in various combinations. Practical experience in orchestrating for small and large ensembles.

0101	Mark Wilson TuTh 11:00am - 12:15pm	Seats (Total: 8) PAC 2168

MUSC490 **Conducting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUSC251.

Vocal and instrumental baton techniques.

0101	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 12) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC491 **Conducting II**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MUSC490; or students who have taken courses with comparable content may contact the department.

Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation.

Concurrent registration in MUED472.

0101	Edward Maclary MW 9:00am - 9:50am	Seats (Total: 20) PAC 2201

MUSC499 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department.

Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	Instructor: TBA	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3164

MUSC602 **Advanced Italian Lyric Diction**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.

Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

0101	Dominic Cossa	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC603 **Advanced German Lyric Diction**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.

Concepts, strategies and techniques for singing operatic and song literature in German: single and double consonants, the use of the glottal, the German closed (e) and (o) vowels, the "schwa" and consonant clusters. Mastery of the International Phonetic Alphabet (IPA) as it applies to "Hochdeutsch" will be expected.

0101	Delores Ziegler	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC606 **Opera Repertory II**

Credits: 1

Grading Method: Regular, Audit

Prerequisite: MUSC605; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).

Continuation of MUSC 605. Advanced vocal coaching of selections from th Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

0101	Carmen Balthrop	Seats (Total: 10)	
	Th 10:30am - 12:00pm	TWS 1121	Lab

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Prerequisite: graduate standing as a major in performance. A study, through performance, of diversified chamber music for standard media.

Contact department for information to register for this course.

MUSC612 **Opera Techniques II**

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in MUSC611. Corequisite: MUSC602. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.

Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

0101	Instructor: TBA	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC614 **Opera Techniques IV**

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in MUSC613. Corequisite: MUSC606 and MUSC604. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.

Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

0101	Instructor: TBA	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Symphony Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629J **Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 20) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 5) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 10) PAC 1230	 Lab

MUSC629K **Ensemble; Japanese Koto**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Kyoko Okamoto Tu 5:30pm - 7:00pm	Seats (Total: 2) PAC 3160	 Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto Tu 7:00pm - 8:30pm	Seats (Total: 4) PAC 3160	 Lab

MUSC629P **Ensemble; Percussion Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Robert Burns F 3:30pm - 6:00pm W 5:00pm - 7:00pm	Seats (Total: 15) PAC 2540 PAC 2540	 Lab Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC629R **Ensemble; Repertoire Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Enrico Lopez-Yanez, James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629U **Ensemble; University Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 5)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)
0301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 5)

MUSC633 **Field Methods in Ethnomusicology I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET660 or MUSC633. Formerly: MUET660.

Introduction to a wide variety of methods and strategies for surveying, interviewing, and observing the dynamics of performance in contrasting settings. This is the first of three semesters of field methods.

0101	Kendra Salois Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC642 **Early Music Notation**

Credits: 3 Grading Method: Regular, Audit

Aspects of notation in music before 1600; transcription into modern notation.

0101	Barbara Haggh-Huglo TuTh 11:00am - 12:15pm	Seats (Total: 12) PAC 3110A

MUSC644 **Seminar in Solo Vocal Literature II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC643; or students who have taken courses with comparable content may contact the department.

A continuation of MUSC 643 with an emphasis on areas of individual interest.

0101	Linda Mabbs	Seats (Total: 10)	
	W 3:00pm - 5:30pm	PAC 2200	

MUSC645 **Seminar in Vocal Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department.

A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest.

Advanced special students require department authorization.

0101	Martha Randall	Seats (Total: 10)	
	MW 9:30am - 10:45am	PAC 3168	

MUSC649A **Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1 Grading Method: Regular

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

(Perm req)

Credits: 1 Grading Method: Regular

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	MW 3:00pm - 3:50pm	PAC 2201	
	TuTh 3:30pm - 4:20pm	PAC 2201	

MUSC649E **Ensemble; Gospel Choir**

Credits: 1 Grading Method: Regular

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

Credits: 1 Grading Method: Regular

0101	Joseph Shortall, Edward Maclary	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC649O **Ensemble; Opera Chorus**

(Perm req)

Credits: 1 Grading Method: Regular

0101	Edward Maclary	Seats (Total: 15)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC649W **Ensemble; Women's Chorus**

Credits: 1 Grading Method: Regular

0101	Kenneth Elpus	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	

MUSC654 **Jazz Improvisation II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC653. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC654 or MUSC699Z. Formerly: MUSC699Z.

Continuation of MUSC653, study of jazz improvisation techniques through analysis, transcription and composition.

0101	Gerard Kunkel	Seats (Total: 5)	
	Th 12:30pm - 3:00pm	PAC 1208	

MUSC656 **Jazz Arranging**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC655. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC656 or MUSC699N. Formerly: MUSC699N.

Comprehensive approach to jazz arranging, including chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

0101	Timothy Powell	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	PAC 2168

MUSC659 **Seminar in Repertoire and Pedagogy**

Credits: 2 Grading Method: Regular, Audit

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	Edward Maclary	Seats (Total: 6)
	MW 10:00am - 10:50am	PAC 2164

MUSC659B **Seminar in Repertoire and Pedagogy; Orchestral**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	James Ross	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC659C **Seminar in Repertoire and Pedagogy; Wind**

(Perm req)

Credits: 2-3 Grading Method: Regular, Audit

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	Michael Votta	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC665 **Theory in Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC445; or permission of ARHU-School of Music department. Restriction: Must not have completed MUSC465. Credit only granted for: MUSC465, MUSC665, or MUSC699T. Formerly: MUSC699T.

An advanced study of the philosophy, practice, and aesthetics of music analysis in contemporary music thoery. Readings drawn from the theoretic literature from 1960 to the present emphasize standards for discourse, the objects of music analysis, rationales for interpretation, and the role that theories of musical structure play in analytic practice.

0101	Dora Hanninen	Seats (Total: 12)
	F 1:00pm - 3:30pm	PAC 2168

MUSC669D **Orchestral Excerpts for String Players**

(Perm req)

Credits: 1 Grading Method: Regular

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Daniel Foster	Seats (Total: 5)
	F 11:00am - 11:50am	PAC 2168

MUSC669F **Orchestral Excerpts for String Players; BASS**

Credits: 1 Grading Method: Regular, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Robert Oppelt	Seats (Total: 15)
	W 4:30pm - 5:45pm	Location: TBA

MUSC669V **Orchestral Excerpts for String Players; HARP**

Credits: 1 Grading Method: Regular, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Sarah Fuller	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC672 **Masterworks of the 20th Century: 1900-1950**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department; and must not have completed MUSC470. Credit only granted for: MUSC448M, MUSC470, MUSC672, or MUSC699M. Formerly: MUSC699M.

A comprehensive survey of Western Art-Music of the first half of the 20th Century with a more intensive study and analysis of composers who have had a profound influence in the development of compositional practice in the modern era.

0101	Mark Wilson	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3168

MUSC673 **Style Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC251; and permission of ARHU-School of Music department. Restriction: Must not have completed MUSC448. Credit only granted for: MUSC673, MUSC448F, or MUSC699F. Formerly: MUSC699F.

An analytical study of musical style from the Middle Ages to present through analysis of selected compositions. The principle genres and composers of Medieval, Renaissance, Baroque, Classical, Romantic and 20th century music will be covered.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC677 **Current Theory and Method in Ethnomusicology**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET676 OR MUSC677. Formerly: MUET676.

Reading and discussion of major works in ethnomusicology, with emphasis on a close examination of trends in methodology and theory from approximately twenty years before the present to current work in both areas. Current work in all geographic areas will be reviewed and analyzed.

0101	John Witzleben	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	PAC 3110A

MUSC680 **Seminar in Music of Antiquity and the Middle Ages**

Credits: 3 Grading Method: Regular, Audit

Research topics in music from antiquity to 1450.

0101	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 3110A

MUSC699 **Selected Topics in Music**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC699E **Selected Topics in Music; Symphonic Literature**

(Perm req)

Credits: 3 Grading Method: Regular

0101	Olga Haldey Tu 7:00pm - 9:30pm	Seats (Total: 13) PAC 2164

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC758 **Advanced Aural Skills for Conductors**

(Perm req)

Credits: 1 Grading Method: Regular

Continuation of MUSC757, advanced aural skills necessary for conductors.

0101	Michael Votta W 1:00pm - 2:15pm	Seats (Total: 5) PAC 2126

MUSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MUSC801S **Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	James Stern	Seats (Total: 20)	
	M 5:00pm - 7:30pm	PAC 2126	

MUSC801W **Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC812 **Doctoral Opera Techniques II**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MUSC811; and permission of ARHU-School of Music department. Credit only granted for: MUSC612 or MUSC812.

Continuation of MUSC811. Techniques for opera preformance: Scene Study II; Acting II; Movement II: Stage Combat I; and Mask; and methodology seminar.

0101	Instructor: TBA	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC814 **Doctoral Opera Techniques IV**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MUSC813; and permission of ARHU-School of Music department. Credit only granted for: MUSC614 or MUSC814.

Continuation of MUSC813. Techniques for opera performance: Scene Study IV; Dance II; Movement IV; and methodology seminar.

0101	Instructor: TBA	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830C **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed at least twelve hours in music history and literature.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC831A **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC830; or permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	John Greer	Seats (Total: 10)
	W 3:00pm - 5:30pm	PAC 2200

MUSC831C **Doctoral Seminar in Music Literature**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC830; or permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC831P **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC830; or permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	Mayron Tsong	Seats (Total: 15)
	W 12:00pm - 2:30pm	PAC 3168

MUSC831V **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC830; or permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	Linda Mabbs	Seats (Total: 10)
	W 3:00pm - 5:30pm	PAC 2200

MUSC831W **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MUSC830; or permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Spring 2015

NACS600 **Ethics in Scientific Research**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: Must have completed a year of graduate study. Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program. Credit only granted for: NACS600, PSYC788B, or BIOL600.

Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

Also offered as BIOL600, CHEM648E, and PSCY788B.

0101	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208

NACS608 **Neuroscience and Cognitive Science Seminar**

Credits: 1 Grading Method: Regular

Special seminar topics in Neuroscience and Cognitive Science.

0101	Robert Dooling F 10:15am - 11:15am	Seats (Total: 20) BRB 1103

NACS642 **Cognitive Neuroscience**

Credits: 4 Grading Method: Regular, Audit

A study of the fundamental concepts and techniques of cognitive neuroscience. Hands-on experience with three critically different cognitive neuroscience methods: EEG, MEG, and fMRI.

0101	Ellen Lau TuTh 10:00am - 12:00pm	Seats (Total: 15) GVC 1117

NACS643 **Computational Neuroscience**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: NACS641; and must have completed a course in calculus; and permission of instructor.

Provides a mathematical foundation in computational neuroscience.

0101	Daniel Butts	Seats (Total: 20)	
	MW 12:00pm - 1:15pm F 1:00pm - 1:50pm	PLS 1115 CSS 1410	Lab

NACS728D **Selected Topics in Neuroscience and Cognitive Science; Developmental Cognitive Neuroscience**

Credits: 3 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Restriction: Must be in one of the following programs (Psychology (Master's); Psychology (Doctoral); Neurosciences and Cognitive Sciences (Doctoral)) ; or permission of BSOS-Psychology department. Credit only granted for: NACS728D or PSYC757. Also offered as PSYC757. Developmental cognitive neuroscience investigates the relations between neural and cognitive development. This course provides an overview of current research questions, methodologies and findings related to neurocognitive development in human infants and children, the role of developmental plasticity, and atypical outcomes, such as those observed in neurodevelopmental disorders.

0101	Tracy Riggins	Seats (Total: 20)
	M 9:30am - 12:00pm	BPS 1234

NACS728I **Selected Topics in Neuroscience and Cognitive Science; Seminar in Translational Neuroscience**

Credits: 3 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

0101	Patrick Kanold	Seats (Total: 10)
	MW 10:30am - 11:45am	BPS 2249

NACS728K **Selected Topics in Neuroscience and Cognitive Science; Neurological Bases of Human Communications**

Credits: 3 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

0101	Yasmeen Shah	Seats (Total: 30)
	Tu 1:00pm - 3:30pm	LEF 2166

NACS728M **Selected Topics in Neuroscience and Cognitive Science; Grant Writing**

Credits: 2 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Instruction in grant-writing skill, introduction to resources, discussions on how to make your grant competitive, and insight into the review process. The goal will be to have each participant submit an NRSA.

0101	Elizabeth Quinlan	Seats (Total: 10)
	Tu 3:00pm - 5:00pm	BRB 3101

NACS728N **Selected Topics in Neuroscience and Cognitive Science; Diseases of the Nervous System**

Credits: 3 Grading Method: Regular

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Also offered as BIOL708E.

0101	Quentin Gaudry	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	MCB 1207

NACS728P **Selected Topics in Neuroscience and Cognitive Science; Computational Psycholinguistics**

Credits: 3 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Also offered as LING698C, LING889C, and CMSC828F. Credit granted for LING698C, LING889C, CMSC828F, or NACS728P. Explores how ideas from statistics and machine learning can be used to model the acquisition, processing, and evolution of language. The focus will be on three popular computational approaches: symbolic systems, neural networks, and probabilistic models.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	MMH 1108B

NACS728Q **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

(Perm req)

Credits: 4

Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab

NACS798 **Master's Non-Thesis Research**

Credits: 1-3 Grading Method: Regular

Individual research course for NACS non-thesis MS degree

Contact department for information to register for this course.

NACS799 **Master's Thesis Research**

Credits: 1-3 Grading Method: Regular

Individualized research course for NACS thesis MS degree

Contact department for information to register for this course.

NACS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Indivdual instruction course: contact department or instructor to obtai section number

Contact department for information to register for this course.

NFSC Nutrition and Food Science Spring 2015

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Seong-Ho Lee MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 SQH 1105	Discussion
0102	Seong-Ho Lee MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 LEF 1201	Discussion
0103	Seong-Ho Lee MW 11:00am - 11:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 KEY 0124	Discussion
0104	Seong-Ho Lee MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 SQH 1119	Discussion
0105	Seong-Ho Lee MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SKN 0104	Discussion
0106	Seong-Ho Lee MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 HBK 0103	Discussion
0108	Seong-Ho Lee MW 11:00am - 11:50am W 12:00pm - 12:50pm *Section 0108 is recommended for majors only.*	Seats (Total: 25) TYD 0130 TYD 2110	Discussion

0110	Seong-Ho Lee MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 2102	Discussion
0111	Seong-Ho Lee MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 SQH 1101	Discussion
0113	Seong-Ho Lee MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0117	Seong-Ho Lee MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 2102	Discussion
0118	Seong-Ho Lee MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 KEY 0125	Discussion

NFSC220 **Diet: Is it a cause or a solution**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSSP, SCIS

If diet is a very straightforward topic; then why and how does this simple matter result in complicated health problems? Diet can provide a simple solution to numerous health issues. So, why do many people fail to follow this seemingly simple solution and still suffer from obesity and other diet-related diseases? Diet is a topic that most people know but few people understand. In addition, diet has become one of the most important lenses for looking at a variety of social, economic, and cultural issues. Since the concept of diet is continuum and has multifaceted aspects, we need to understand it in broad and multidisciplinary perspectives including social, cultural and economic aspects.

0101	Hee-Jung Song TuTh 11:00am - 12:15pm	Seats (Total: 30) MMH 3112	

NFSC315 **Nutrition During the Life Cycle**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: NFSC100. Formerly: NUTR315.

A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

0101	Robert Jackson, Amy Schweitzer	Seats (Total: 101)
	TuTh 2:00pm - 3:15pm	HJP 0226

NFSC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC398 **Seminar**

Credits: 1 Grading Method: Regular

Presentation and discussion of current literature and research in food science.

FDSC majors only.

0101	Qin Wang	Seats (Total: 15)
	F 12:00pm - 12:50pm	SKN 0101

NFSC399 **Special Problems in Food Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Designed for advanced undergraduates. Specific problems in food science will be assigned.

Contact department for information to register for this course.

NFSC412 **Food Processing Technology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241, CHEM242, NFSC431, NFSC414, and NFSC434. Corequisite: NFSC421 and NFSC423. Recommended: MATH220.

Provides in-depth study of the major industrial modes of food preservation. It integrates aspects of the biology, microbiology, biochemistry and engineering disciplines as they relate to food processing technology and food science.

0101	Instructor: TBA	Seats (Total: 24)	
	MW 10:00am - 10:50am M 1:00pm - 5:30pm	MMH 0108 MMH 3401	 Lab

NFSC430 **Food Microbiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI223; or permission of instructor. Credit only granted for: ANSC430 or NFSC430. Formerly: FDSC430.

A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods.

Also offered as NFSC679M.

0101	Instructor: TBA	Seats (Total: 40)	
	MW 11:00am - 12:15pm	SKN 0104	

NFSC431 **Food Quality Control**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

0101	Abani Pradhan	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 9:00am - 11:30am	SKN 0101 MMH 3419	 Lab

NFSC434 **Food Microbiology Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in NFSC430. Credit only granted for: NFSC434 or ANSC434. Formerly: FDSC434.

A study of techniques and procedures used in the microbiological examination of foods.

0101	Instructor: TBA TuTh 12:30pm - 4:00pm	Seats (Total: 20) MMH 3419	Lab

NFSC450 **Food and Nutrient Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BCHM461 and NFSC100. Formerly: NUTR450.

Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

0101	Thomas Castonguay W 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 13) MMH 0108 MMH 3419	Lab
0102	Thomas Castonguay W 1:00pm - 1:50pm M 1:00pm - 4:00pm	Seats (Total: 13) MMH 0108 MMH 3419	Lab
0103	Thomas Castonguay W 1:00pm - 1:50pm F 1:00pm - 4:00pm	Seats (Total: 13) MMH 0108 MMH 3419	Lab

NFSC460 **Medical Nutrition Therapy**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: NFSC380 and NFSC440; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR460.

Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

0101	Margaret Udahogora MW 1:00pm - 2:15pm M 2:30pm - 5:30pm	Seats (Total: 17) PLS 1117 MMH 3418	Lab

0102	Margaret Udahogora MW 1:00pm - 2:15pm W 2:30pm - 5:30pm	Seats (Total: 17) PLS 1117 ASY 3221	 Lab

NFSC470 **Community Nutrition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: NFSC315; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR470.

Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

0101	Nadine Sahyoun MW 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 40) MMH 0108 TYD 2106	 Discussion

NFSC490 **Special Problems in Nutrition**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.

Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC491 **Issues and Problems in Dietetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: NFSC350; and permission of AGNR-Nutrition and Food Science department. Corequisite: NFSC460. Restriction: Senior standing or higher; and must be in Nutrition and Food Science: Dietetics program.

A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

0101	Kathleen Pellechia MW 8:30am - 10:50am	Seats (Total: 25) HBK 0103

NFSC498 **Selected Topics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC498L **Selected Topics; Diet and Optimal Human Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

0101	Seong-Ho Lee Tu 2:00pm - 4:30pm	Seats (Total: 20) CHM 1224

NFSC631 **Advanced Food Microbiology**

Credits: 3 Grading Method: Regular

Prerequisite: NFSC430. Restriction: Permission of instructor.

One lecture and one laboratory period a week. An in-depth understanding and working knowledge of a selected number of problem areas and contemporary topics in food microbiology.

0101	Jianghong Meng F 1:00pm - 3:45pm	Seats (Total: 25) MMH 3112

NFSC678A **Selected Topics in Nutrition**

Credits: 1-4 Grading Method: Regular, Audit

Individual or group study in an area of nutrition.

Contact department for information to register for this course.

NFSC678L **Selected Topics in Nutrition; Diet and Optimal Human Health**

Credits: 3 Grading Method: Regular, Audit

Individual or group study in an area of nutrition.

0101	Seong-Ho Lee	Seats (Total: 5)	
	Tu 2:00pm - 4:30pm	CHM 1224	

NFSC679F **Selected Topics in Food Science**

Credits: 4 Grading Method: Regular

Individual or group study in an area of food science.

0101	Instructor: TBA	Seats (Total: 24)	
	MW 10:00am - 10:50am	MMH 0108	
	M 1:00pm - 5:30pm	MMH 3401	Lab

NFSC679M **Selected Topics in Food Science; Food Microbiology**

Credits: 3 Grading Method: Regular

Individual or group study in an area of food science.

Also offered as NFSC430.

0101	Robert Buchanan	Seats (Total: 6)
	MW 11:00am - 12:15pm	SKN 0104

NFSC688 **Seminar in Nutrition and Food Science**

Credits: 1-3 Grading Method: Regular, Audit

This is a seminar course presentedy by NFSC graduate students and invited speakers in the field of nutrition and food science.

0101	Robert Jackson	Seats (Total: 25)
	W 12:00pm - 12:50pm	SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

NIAV National Institute of Aeronautics - Univ of VA Spring 2015

NIAV788A **Advanced Topics; Engineering Design Optimization**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

NIAV788W **Advanced Topics; Statistics for Engineers and Scientists**

Credits: 3 Grading Method: Regular

TV01	Sung Lee	Seats (Total: 20)
	Contact instructor or department for details.	

PERS Persian Spring 2015

PERS102 **Elementary Persian II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS101; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.

Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

0101	Payman Vafaee	Seats (Total: 15)
	MTuW 10:00am - 10:50am F 10:00am - 10:50am	SQH 2119 SQH 2117

PERS202 **Intermediate Persian II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: PERS201; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.

Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

0101	Instructor: TBA	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	SQH 1103

PERS212 **Intermediate Reading in Persian**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS211 and PERS201; or permission of instructor. Corequisite: PERS202; or permission of instructor.

Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

0101	Susan Moinfar	Seats (Total: 15)
	MWF 11:00am - 11:50am	SQH 2114

PERS298A **Special Topics in Persian Studies; Gender and Body in Iran**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Special topic to be announced when course is offered.

Also offered as WMST298J. Credit granted for PERS298A or WMST298J. Multidisciplinary approach to key topics concerning gender and body in Iran, to include insights from religion, history, sociology, anthropology, disability studies, travel literature, arts, and fashion.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 30) JMZ 1122

PERS302 **Advanced Persian II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be native/fluent speaker of Persian.

Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

0101	Ali Abasi MWF 1:00pm - 1:50pm	Seats (Total: 15) SQH 2119

PERS312 **Contemporary Iranian Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be native/fluent speaker of Persian.

Study of the culture of contemporary Iran (post-evolution) with focus o the contemporary social, political, literary and artistic life in Iran. Taught in Persian.

0101	Nahal Akbari-Saneh MWF 12:00pm - 12:50pm	Seats (Total: 15) SQH 2114

PERS371 **Introduction to Persian Literature in Translation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit , D | General Education: DSHU

Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Matthew Miller	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2207

PERS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department.

Pre-professional experience in research, analysis and writing in a work setting. Project proposal approved by faculty and internship sponsor.

2920	Ali Abasi	Seats (Total: 5)
	F 9:00am - 11:45am	SQH 2115

PERS398B **Special Topics in Persian Studies; Arts, Leisure, and Entertainment: Urban Life in Modern Iran**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Special topic to be announced when course is offered. Taught in Persian

Taught in English. Interdisciplinary historical exploration of the formation and transformations of urban public culture in modern Iran. Also offered as HIST328C. Credit granted for PERS398B or HIST328C.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1107

PERS399 **Directed Study in Persian**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed study with faculty supervision.

Contact department for information to register for this course.

PERS399F **Directed Study in Persian**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Directed study with faculty supervision.

2930	Nahal Akbari-Saneh	Seats (Total: 5)
	Contact instructor or department for details.	

PERS498 **Special Topics in Persian Studies**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Contact department for information to register for this course.

PERS498A **Special Topics in Persian Studies; Advanced Literacy Skills in Persian**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

0101	Instructor: TBA M 9:00am - 11:45am	Seats (Total: 5) SQH 2115

PERS498D **Special Topics in Persian Studies; Political, Economic and Social Thought in Today's Iran**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

0101	Ali Abasi W 9:00am - 11:45am	Seats (Total: 5) SQH 2115

PERS498E **Special Topics in Persian Studies; Translation of Contemporary Persian Texts**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Taught in Persian.

0101	Nahal Akbari-Saneh Th 9:00am - 11:45am	Seats (Total: 5) SQH 2114

PERS498L **Special Topics in Persian Studies; History of Iran: 7th Century to the Present**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Also offered as HIST429L. Credit granted for HIST429L or PERS498L.

0101	Ahmet Karamustafa W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 1101	

PERS689 **Special Topics in Persian Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

In-depth analysis of a particular aspect of Persian studies. In Persian

Contact department for permission to register.

Contact department for information to register for this course.

PHIL Philosophy Spring 2015

PHIL100 **Introduction to Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Brock Rough TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 CHM 1224	Discussion
0102	Brock Rough TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 MMH 0108	Discussion
0103	Brock Rough TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 HBK 0108	Discussion
0201	Lucas Dunlap MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SQH 1120 COL 0101	Discussion

0202	Lucas Dunlap MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 COL 0101	Discussion
0203	Lucas Dunlap MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 COL 0100	Discussion

PHIL140 **Contemporary Moral Issues**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Andrew Knoll TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 MTH B0425	Discussion
0102	Andrew Knoll TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 24) SHM 2102 EDU 0206	Discussion
0103	Andrew Knoll TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 HBK 0103	Discussion
0104	Andrew Knoll TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 MTH 0407	Discussion
0105	Andrew Knoll TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 24) SHM 2102 HBK 1112	Discussion
0106	Andrew Knoll TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 HBK 0115	Discussion

0201	Xuan Wang MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 TWS 0214	Discussion
0202	Instructor: TBA MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 TYD 2110	Discussion
0203	Xuan Wang MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 SQH 1121	Discussion
0204	Xuan Wang MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 TWS 0234	Discussion
0205	Instructor: TBA MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 SQH 2119	Discussion
0206	Instructor: TBA MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 SQH 1107	Discussion

PHIL170 **Introduction to Logic**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR

Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Max Bialek MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH 0106	Discussion
0102	Max Bialek MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 HBK 0109	Discussion

0103	Max Bialek MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 ARM 0103	Discussion
0104	Max Bialek MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARM 0131 EGR 0108	Discussion
0105	Max Bialek MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 ARM 0118	Discussion
0106	Max Bialek MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 ARM 0118	Discussion
0107	Max Bialek MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH 0304	Discussion
0108	Max Bialek MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 MMH 0108	Discussion
0109	Max Bialek MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 SKN 1112	Discussion

PHIL209B **Investigating Darwin's Dangerous Idea**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHS, DSHU, DSSP, SCIS

0101	Instructor: TBA TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) SQH 1120 MMH 3418	Discussion
0102	Instructor: TBA TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 23) SQH 1120 HBK 0105	Discussion

0103	Instructor: TBA TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) SQH 1120 HBK 1112	Discussion

PHIL209E **Philosophical Issues; Happiness and Human Nature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

An examination of selected philosophical issues of general interest.

0101	Susan Dwyer TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TWS 1100 EDU 1121	Discussion
0102	Susan Dwyer TuTh 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TWS 1100 EDU 0206	Discussion
0103	Susan Dwyer TuTh 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TWS 1100 EDU 2101	Discussion

PHIL209M **Philosophical Issues; Moral Philosophy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

Contact department for information to register for this course.

PHIL209N **Know Thyself: Wisdom Through Cognitive Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHS, DSHU, SCIS

How do we improve our decision making? Reflection on the practical implications of some recent findings in cognitive science.

0101	Peter Carruthers MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 CHE 2118	Discussion

0102	Peter Carruthers MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 HBK 0123	Discussion
0103	Peter Carruthers MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) TYD 2106 KEY 1117	Discussion

PHIL209X **Philosophical Issues; Philosophy of Language and Logic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

Contact department for information to register for this course.

PHIL209Z **Philosophical Issues; Introduction to Continental Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

Contact department for information to register for this course.

PHIL233 **Philosophy in Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

0101	Instructor: TBA MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 EDU 3233	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 EDU 0114	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 LEF 1220	Discussion

PHIL245 **Political and Social Philosophy I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Michael Zenz MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 KNI 1103	Discussion
0102	Michael Zenz MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0117 KNI 1103	Discussion
0103	Michael Zenz MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 EDU 2119	Discussion

PHIL282 **Free Will & Determinism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

A study of the main positions and arguments in the free will debate in contemporary analytic philosophy.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 ARC 1105	Discussion
0102	Patricia Greenspan TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 EDU 1121	Discussion
0103	Patricia Greenspan TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 SKN 0104	Discussion

PHIL308I **Studies in Contemporary Philosophy; Art and Morality**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view of current interest in philosophy.

Prerequisite: 6 hours of PHIL course work.

0101	Moonyoung Song TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1121	
	A critical examination of the relationship between art and morality. Topics include what makes an artwork moral or immoral, whether an artworks moral status affects its artistic value, and whether it is morally problematic to engage with an immoral artwork.		

PHIL308L **Studies in Contemporary Philosophy; Philosophy of Humor**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view of current interest in philosophy.

0101	Jerrold Levinson MW 2:00pm - 3:15pm	Seats (Total: 30) WDS 1130

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view of current interest in philosophy.

Contact department for information to register for this course.

PHIL320 **Modern Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses.

A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 KNI 1105	 Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 KEY 0121	 Discussion

0103	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 MMH 0108	Discussion

PHIL324 **Existentialism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses.

A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, an Camus on issues of human morality, freedom, and suffering.

0101	Christopher Vogel TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 HBK 0115	Discussion
0102	Christopher Vogel TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 HBK 0109	Discussion
0103	Christopher Vogel TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 HBK 0108	Discussion

PHIL328L **Studies in the History of Philosophy; Love, Friendship and Morality in Plato and Aristotle**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view in the history of philosophy.

Prerequisite: 6 hours of PHIL course work.

0101	Rachel Singpurwalla TuTh 2:00pm - 3:15pm	Seats (Total: 33) SKN 1115	

PHIL364 **Metaphysics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses. Formerly: PHIL464.

The study of some central metaphysical concepts and issues including th nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Paul Pietroski	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 2120

PHIL366 **Philosophy of Mind**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses.

An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Logan Fletcher	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	HBK 0103

PHIL386 **Experiential Learning**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-Philosophy department; and junior standing or higher.

Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408B **Topics in Contemporary Philosophy; Bayesian Epistemology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Prerequisite: 6 hours of PHIL course work.

0101	Aidan Lyon	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

PHIL408C **Topics in Contemporary Philosophy; Self Knowledge and Other-Knowledge**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Prerequisites: Six Credits in PHIL courses. Is self-knowledge special? Examines philosophical and scientific theories of knowledge of our own and other people's mental states.

0101	Peter Carruthers	Seats (Total: 28)
	MW 2:00pm - 3:15pm	SKN 1115

PHIL408F **Topics in Contemporary Philosophy; Perception and Reality**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

0101	Ryan Ogilvie	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

PHIL408K **Topics in Contemporary Philosophy; The Nature of Morality**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Prerequisite: 6 hours of PHIL course work. Addresses core questions about morality such as whether morality is subjective or objective, and whether moral norms reflect power structures. Readings may include classics like Nietzsche, as well as contemporary philosophers and cognitive scientists.

0101	Dan Moller	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PLS 1146

PHIL408L **Topics in Contemporary Philosophy; Latin American and Caribbean Thought**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Also offered as LASC448I. Credit will be granted for LASC448I or PHIL 408L.

0101	James Maffie	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TYD 0111	

PHIL408V **Topics in Contemporary Philosophy; Bioethics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Prerequisites: Six Credits in PHIL courses.

0101	Samuel Kerstein	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	SKN 1115	

PHIL408Y **Topics in Contemporary Philosophy; Philosophy of Science II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Contact department for information to register for this course.

PHIL408Z **Topics in Contemporary Philosophy; Individual and Group Decision Making**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues. Source material will be selected from recent books and articles.

Prerequisite: 6 hours of PHIL course work.

0101	Eric Pacuit	Seats (Total: 20)	
	MW 10:00am - 10:50am Class time/details on ELMs	SKN 0104 ONLINE	 Discussion

PHIL414 **The Philosophy of Aristotle**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 3 courses in PHIL.

A critical study of selected portions of Aristotle's writings.

0101	Rachel Singpurwalla	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	SKN 1115

PHIL456 **Philosophy of Biology II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHIL256 or PHIL250; or must be Life Science major; or permission of ARHU-Philosophy department.

Questions about concepts, reasoning, explanation, etc., in biology, and their relations to those of other areas of science. Case studies of selected aspects of the history of biology, especially in the twentieth century.

0101	Lindley Darden	Seats (Total: 25)	
	Th 3:30pm - 5:10pm	SKN 1115	
	Class time/details on ELMs	ONLINE	Discussion

PHIL470 **Logical Theory**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHIL370; or permission of instructor.

This course will treat a selection of the most important topics in modern logic: alternative proof-theoretic presentations of logical systems, completeness proofs for classical propositional and first-order logic, some basic computability theory, basic limitative results (such as Godel's incompleteness theorems), and some results concerning second-order logic. The primary focus of the course is a study of these fundamental topics, but we will also discuss some of the philosophical issues they raise.

0101	Eric Pacuit	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	LEF 1201

PHIL498F **Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498Z **Topical Investigations; Realism and Idealism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

PHIL640 **Value Theory**

Credits: 3 Grading Method: Regular, Audit

A basic course in value theory for beginning graduate students, coverin a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Dan Moller Th 4:30pm - 7:00pm	Seats (Total: 15) SKN 1116

PHIL688E **Selected Problems in Philosophy; Logical Theory**

Credits: 3 Grading Method: Regular, Audit

0101	Eric Pacuit TuTh 12:30pm - 1:45pm	Seats (Total: 25) LEF 1201

PHIL788 **Research in Philosophy**

Credits: 1-6 Grading Method: Regular, Audit

0101	John Brown Contact instructor or department for details.	Seats (Total: 10)
0201	Jeffrey Bub Contact instructor or department for details.	Seats (Total: 10)
0301	Peter Carruthers Contact instructor or department for details.	Seats (Total: 10)

0401	Christopher Cherniak Contact instructor or department for details.	Seats (Total: 10)
0501	Lindley Darden Contact instructor or department for details.	Seats (Total: 10)
0601	Mathias Frisch Contact instructor or department for details.	Seats (Total: 10)
0701	Patricia Greenspan Contact instructor or department for details.	Seats (Total: 10)
0801	John Horty Contact instructor or department for details.	Seats (Total: 10)
0901	Samuel Kerstein Contact instructor or department for details.	Seats (Total: 10)
1001	Erin Eaker Contact instructor or department for details.	Seats (Total: 10)
1101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 10)
1201	Dan Moller Contact instructor or department for details.	Seats (Total: 10)
1301	Charles Manekin Contact instructor or department for details.	Seats (Total: 10)
1401	Susan Dwyer Contact instructor or department for details.	Seats (Total: 10)
1501	Michael Morreau Contact instructor or department for details.	Seats (Total: 10)
1601	Eric Pacuit Contact instructor or department for details.	Seats (Total: 10)
1701	Alexander Williams Contact instructor or department for details.	Seats (Total: 10)
1801	Georges Rey Contact instructor or department for details.	Seats (Total: 10)

1901	Andrew Levine Contact instructor or department for details.	Seats (Total: 10)
2001	Allen Stairs Contact instructor or department for details.	Seats (Total: 10)
2101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 15)
2201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
2301	Aidan Lyon Contact instructor or department for details.	Seats (Total: 10)
2501	Paul Pietroski Contact instructor or department for details.	Seats (Total: 10)
2701	Christopher Morris Contact instructor or department for details.	Seats (Total: 10)

PHIL788G **Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

PHIL848J **Seminar in Ethics; Ethics and Evolution**

Credits: 3 Grading Method: Regular, Audit

0101	Patricia Greenspan Tu 4:30pm - 7:00pm	Seats (Total: 15) SKN 1116

PHIL848K **Seminar in Ethics**

Credits: 3 Grading Method: Regular, Audit

0101	Samuel Kerstein Th 1:00pm - 3:30pm	Seats (Total: 15) SKN 1116

PHIL858J **Seminar in Logic and Philosophy of Sciences; Biological Mechanisms: Discovery and Explanation**

Credits: 3 Grading Method: Regular, Audit

0101	Lindley Darden Tu 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL879J **Seminar in Philosophy and Cognitive Studies**

Credits: 3 Grading Method: Regular, Audit

0101	Alexander Williams M 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

Credits: 1-3 Grading Method: Sat-Fail

Work with a faculty advisor on various aspects of professional development.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Work with a faculty advisor to develop and improve pedagogical skills.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

PHYS Physics Spring 2015

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with PHYS107)

Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Kara Hoffman MWF 2:00pm - 2:50pm	Seats (Total: 155) PHY 1410	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Andris Skuja M 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab
0301	Andris Skuja Tu 1:00pm - 2:50pm	Seats (Total: 24) PHY 3214	Lab
0501	Andris Skuja W 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS111 **Physics in the Modern World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS

A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.

Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education). Credit only granted for: PHYS115 or PHYS117.

Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Marguerite Tonjes MTuW 2:00pm - 3:50pm	Seats (Total: 20) PHY 3316	
0201	Shabnam Jabeen MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	

PHYS121 **Fundamentals of Physics I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.

Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required.

0301	Instructor: TBA MWF 3:00pm - 3:50pm M 11:00am - 12:50pm M 10:00am - 10:50am	Seats (Total: 26) PHY 1412 PHY 3306 PLS 1113	 Lab Discussion
0302	Sergio Picozzi MWF 3:00pm - 3:50pm Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 26) PHY 1412 PHY 3306 MTH 0401	 Lab Discussion
0303	Sergio Picozzi MWF 3:00pm - 3:50pm Th 12:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 26) PHY 1412 PHY 3306 HBK 0108	 Lab Discussion

0304	Instructor: TBA	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Th 4:00pm - 5:50pm	PHY 3306	Lab
	Th 3:00pm - 3:50pm	MTH 0405	Discussion
0305	Instructor: TBA	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Tu 4:00pm - 4:50pm	MTH 0401	Discussion
0401	Instructor: TBA	Seats (Total: 26)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	M 5:00pm - 6:50pm	PHY 3306	Lab
	W 8:00pm - 8:50pm	PHY 1204	Discussion
0402	Hailu Gebremariam	Seats (Total: 23)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	W 8:00pm - 9:50pm	PHY 3306	Lab
	M 9:00pm - 9:50pm	PHY 1219	Discussion
0403	Hailu Gebremariam	Seats (Total: 26)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	W 5:00pm - 6:50pm	PHY 3306	Lab
	W 4:00pm - 4:50pm	PHY 1204	Discussion
SES1	Hailu Gebremariam	Seats (Total: 3)	
	M 7:00pm - 8:50pm	PHY 1410	
	W 7:00pm - 7:50pm	PHY 1410	
	W 8:00pm - 9:50pm	PHY 3306	Lab
	M 9:00pm - 9:50pm	PHY 1219	Discussion
	This section is retricted to SIE majors only.		

PHYS122 **Fundamentals of Physics II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department.

A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.

Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required.

0301	Sergio Picozzi TuTh 3:30pm - 4:45pm Th 10:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1219	 Lab Discussion
0302	Sergio Picozzi TuTh 3:30pm - 4:45pm Th 12:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) PHY 1410 PHY 3314 CHM 0128	 Lab Discussion
0303	Sergio Picozzi TuTh 3:30pm - 4:45pm M 2:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 24) PHY 1410 PHY 3314 PHY 0405	 Lab Discussion
0304	Instructor: TBA TuTh 3:30pm - 4:45pm W 2:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1402	 Lab Discussion
0501	Sergio Picozzi Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm W 6:00pm - 7:50pm W 5:00pm - 5:50pm	Seats (Total: 24) PHY 1410 PHY 1410 PHY 3314 PHY 1204	 Lab Discussion
0502	Instructor: TBA Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm Tu 5:00pm - 6:50pm Tu 4:00pm - 4:50pm	Seats (Total: 24) PHY 1410 PHY 1410 PHY 3314 PHY 0405	 Lab Discussion
0503	Instructor: TBA Tu 7:00pm - 8:50pm Th 7:00pm - 7:50pm M 7:00pm - 8:50pm M 6:00pm - 6:50pm	Seats (Total: 24) PHY 1410 PHY 1410 PHY 3314 PHY 0405	 Lab Discussion

SES1	Sergio Picozzi	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3314	Lab
	Tu 9:00pm - 9:50pm	PHY 1402	Discussion
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for comp lete program details including program eligibility information, tuition and fee information and registration instructions.		

PHYS131 **Fundamentals of Physics for Life Sciences I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH130, MATH131, BSCI105, BSCI106, and CHEM131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.

Students must pay a $50.00 laboratory materials fee.

0101	Benjamin Dreyfus, Edward Redish	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Th 9:00am - 10:50am	PHY 3310	Lab
	Th 8:00am - 8:50am	PHY 3310	Discussion
0102	Benjamin Dreyfus, Edward Redish	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3310	Lab
	Tu 8:00am - 8:50am	PHY 3310	Discussion
0103	Instructor: TBA	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Th 3:00pm - 4:50pm	PHY 3310	Lab
	Th 2:00pm - 2:50pm	PHY 3310	Discussion

0201	Edward Redish, Alan Peel MWF 11:00am - 11:50am W 9:00am - 10:50am W 8:00am - 8:50am	Seats (Total: 24) PHY 1410 PHY 3310 PHY 3310	 Lab Discussion
0202	Edward Redish, Alan Peel MWF 11:00am - 11:50am W 3:00pm - 4:50pm W 2:00pm - 2:50pm	Seats (Total: 24) PHY 1410 PHY 3310 PHY 3310	 Lab Discussion
0203	Instructor: TBA MWF 11:00am - 11:50am M 3:00pm - 4:50pm M 2:00pm - 2:50pm	Seats (Total: 24) PHY 1410 PHY 3310 PHY 3310	 Lab Discussion

PHYS132 **Fundamentals of Physics for Life Sciences II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132.

The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.

Students must pay a $50.00 laboratory materials fee.

0101	David Buehrle MWF 10:00am - 10:50am M 12:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion
0102	Instructor: TBA MWF 10:00am - 10:50am W 12:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion
0103	Instructor: TBA MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion

0104	Instructor: TBA	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3312	Lab
	Tu 2:00pm - 2:50pm	PHY 3312	Discussion
0105	David Buehrle	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 9:00am - 10:50am	PHY 3312	Lab
	Th 8:00am - 8:50am	PHY 3312	Discussion
0106	David Buehrle	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 12:00pm - 1:50pm	PHY 3312	Lab
	Th 11:00am - 11:50am	PHY 3312	Discussion
0201	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	Tu 9:00am - 10:50am	PHY 3312	Lab
	Tu 8:00am - 8:50am	PHY 3312	Discussion
0202	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3312	Lab
	W 2:00pm - 2:50pm	PHY 3312	Discussion
0203	Instructor: TBA	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	M 3:00pm - 4:50pm	PHY 3312	Lab
	M 2:00pm - 2:50pm	PHY 3312	Discussion
0204	Instructor: TBA	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	W 9:00am - 10:50am	PHY 3312	Lab
	W 8:00am - 8:50am	PHY 3312	Discussion
0205	Instructor: TBA	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	Th 3:00pm - 4:50pm	PHY 3312	Lab
	Th 2:00pm - 2:50pm	PHY 3312	Discussion

0206	David Buehrle TuTh 12:30pm - 1:45pm M 6:00pm - 7:50pm M 5:00pm - 5:50pm	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion
SG91	David Somers TuTh 9:30am - 10:45am F 2:00pm - 4:50pm F 1:00pm - 1:50pm *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 24) BLD2 3062 BLD2 4012 Location: TBA	 Lab Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.

First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.

Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required.

0101	David Buehrle TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 0405	 Discussion
0102	David Buehrle TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0105	 Discussion
0103	Instructor: TBA TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 0405	 Discussion
0104	David Buehrle TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1204	 Discussion

0105	Instructor: TBA TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0106	David Buehrle TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH 0304	Discussion
0107	David Buehrle TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0101	Discussion
0108	David Buehrle TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0109	Instructor: TBA TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0110	Instructor: TBA TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0301	Instructor: TBA MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0302	Instructor: TBA MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0303	Instructor: TBA MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1219	Discussion
0304	David Buehrle MWF 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 34) PHY 1412 MTH 0101	Discussion

0305	David Buehrle MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 34) PHY 1412 MTH 0304	Discussion
0306	David Buehrle MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0307	Instructor: TBA MWF 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0308	David Buehrle MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 33) PHY 1412 MTH 0103	Discussion
0309	David Buehrle MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0401	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion
0402	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion
0403	Instructor: TBA M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion
0404	Instructor: TBA M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 5:00pm - 5:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1204	Discussion

0405	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm Tu 7:00pm - 7:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	 Discussion
0406	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm Th 6:00pm - 6:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1204	 Discussion
0407	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm Th 7:00pm - 7:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1204	 Discussion

PHYS171 **Introductory Physics: Mechanics and Relativity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.

First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

0101	Bei Lok Hu TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 50) PHY 1204 PHY 1204	

PHYS174 **Physics Laboratory Introduction**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Recommended: High school physics.

Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0201	Instructor: TBA Tu 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	Lab
0301	Arpita Upadhyaya W 1:00pm - 2:50pm	Seats (Total: 26) PHY 3115	Lab
0401	Instructor: TBA Th 11:00am - 12:50pm	Seats (Total: 26) PHY 3115	Lab
0501	Instructor: TBA Th 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS261)

Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.

Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

If purchasing used books additional software may be required.

0201	Theodore Einstein MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 34) PHY 1412 PHY 1219	Discussion
0202	Theodore Einstein MW 4:00pm - 5:15pm W 8:00am - 8:50am	Seats (Total: 34) PHY 1412 PHY 0405	Discussion
0203	Theodore Einstein MW 4:00pm - 5:15pm W 9:00am - 9:50am	Seats (Total: 34) PHY 1412 PHY 0405	Discussion
0204	Theodore Einstein MW 4:00pm - 5:15pm F 8:00am - 8:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion

0205	Theodore Einstein MW 4:00pm - 5:15pm Tu 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 MTH 0101	Discussion
0206	Theodore Einstein MW 4:00pm - 5:15pm F 9:00am - 9:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0301	Rabindra Mohapatra MWF 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 31) PHY 1410 MTH 0303	Discussion
0302	Rabindra Mohapatra MWF 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 31) PHY 1410 CHM 0122	Discussion
0303	Rabindra Mohapatra MWF 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 31) PHY 1410 PHY 1219	Discussion
0304	Rabindra Mohapatra MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 31) PHY 1410 MTH 0103	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Sungwoo Hong M 6:00pm - 8:50pm	Seats (Total: 36) PHY 3219	Lab
0102	Sungwoo Hong M 12:00pm - 2:50pm	Seats (Total: 36) PHY 3219	Lab

0103	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 36) PHY 3219	Lab
0104	Sungwoo Hong Tu 2:00pm - 4:50pm	Seats (Total: 36) PHY 3219	Lab
0105	Instructor: TBA Tu 5:00pm - 7:50pm	Seats (Total: 36) PHY 3219	Lab
0107	Sungwoo Hong W 11:00am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0108	Sungwoo Hong Th 12:00pm - 2:50pm	Seats (Total: 36) PHY 3219	Lab
0109	Sungwoo Hong Th 9:00am - 11:50am	Seats (Total: 36) PHY 3219	Lab
0110	Instructor: TBA Th 3:00pm - 5:50pm	Seats (Total: 36) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Sungwoo Hong Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with PHYS271)

Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.

Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

If purchasing used books additional software may be required.

0101	Instructor: TBA MWF 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 33) PHY 1412 MTH 0106	Discussion
0102	Sergio Picozzi MWF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 33) PHY 1412 MTH 0303	Discussion
0103	Instructor: TBA MWF 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 33) PHY 1412 MTH B0421	Discussion
0104	Instructor: TBA MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0105	Instructor: TBA MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0106	Instructor: TBA MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0201	Instructor: TBA MWF 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 1402	Discussion
0202	Instructor: TBA MWF 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 1402	Discussion

0203	Instructor: TBA MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 33) PHY 1412 CHM 0119	Discussion
0204	Sergio Picozzi MWF 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 33) PHY 1412 MTH 0303	Discussion
0205	Sergio Picozzi MWF 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0206	Instructor: TBA MWF 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0207	Instructor: TBA MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0401	Instructor: TBA MW 5:00pm - 6:15pm M 6:30pm - 7:20pm	Seats (Total: 34) PHY 1410 PHY 1204	Discussion
0402	Instructor: TBA MW 5:00pm - 6:15pm W 6:30pm - 7:20pm	Seats (Total: 33) PHY 1410 PHY 1204	Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Sungwoo Hong M 9:00am - 11:50am	Seats (Total: 36) PHY 3213	Lab

0102	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 36) PHY 3213	Lab
0103	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 36) PHY 3213	Lab
0104	Sungwoo Hong Tu 8:00am - 10:50am	Seats (Total: 36) PHY 3213	Lab
0105	Sungwoo Hong M 6:00pm - 8:50pm	Seats (Total: 36) PHY 3213	Lab
0106	Instructor: TBA Tu 11:00am - 1:50pm	Seats (Total: 36) PHY 3213	Lab
0107	Sungwoo Hong Tu 4:00pm - 6:50pm	Seats (Total: 36) PHY 3213	Lab
0108	Sungwoo Hong W 5:00pm - 7:50pm	Seats (Total: 36) PHY 3213	Lab
0109	Instructor: TBA Th 1:00pm - 3:50pm	Seats (Total: 36) PHY 3213	Lab
0110	Sungwoo Hong W 2:00pm - 4:50pm	Seats (Total: 36) PHY 3213	Lab
0111	Instructor: TBA Th 9:00am - 11:50am	Seats (Total: 36) PHY 3213	Lab
0112	Sungwoo Hong Th 4:00pm - 6:50pm	Seats (Total: 36) PHY 3213	Lab
0113	Sungwoo Hong Th 7:00pm - 9:50pm	Seats (Total: 36) PHY 3213	Lab
0114	Sungwoo Hong Tu 7:00pm - 9:50pm	Seats (Total: 36) PHY 3213	Lab
0115	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 36) PHY 3213	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Sungwoo Hong	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSNL (if taken with PHYS275)

Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.

Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.

Also offered as PHYS272H.

0101	Luis Orozco	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSNL (if taken with PHYS275)

Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.

Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.

For general honors students only. Also offered as PHYS272.

0101	Luis Orozco	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	PHY 1201 PHY 1201

PHYS273 **Introductory Physics: Waves**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.

Oscillations and AC circuits using complex variables, Fourier series an integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics.

Also offered as PHYS273H.

0101	Alberto Belloni	Seats (Total: 70)
	TuTh 9:30am - 10:45am F 9:00am - 9:50am	PHY 1410 PHY 1410

PHYS273H **Introductory Physics: Waves**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.

Oscillations and AC circuits using complex variables, Fourier series an integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics.

For general honors students only. Also offered as PHYS273.

0101	Alberto Belloni	Seats (Total: 70)
	TuTh 9:30am - 10:45am F 9:00am - 9:50am	PHY 1410 PHY 1410

PHYS274 **Mathematical Methods for Physics I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A first course in mathematical methods for physics. Topics include linear algebra, curvilinear coordinates and vector analysis, and an introduction to ordinary differential equations.

Prerequisite: permission of department.

0101	Zackaria Chacko MWF 2:00pm - 2:50pm	Seats (Total: 60) PHY 1201	

PHYS275 **Experimental Physics I: Mechanics and Heat**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS161 or PHYS171; and PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.

0101	Ki-Yong Kim W 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0201	Ki-Yong Kim M 1:00pm - 4:50pm	Seats (Total: 13) PHY 3104	Lab
0301	Frederick Wellstood Tu 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0401	Frederick Wellstood Th 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS272 and PHYS275.

Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Instructor: TBA M 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0201	Instructor: TBA Tu 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Instructor: TBA Th 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab
0401	Instructor: TBA W 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

PHYS299 **Special Problems in Physics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Contact department for information to register for this course.

PHYS299B **Special Problems in Physics; Developing a Physics Toolbox**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Prerequisite: PHYS174. Introduces students to the skills needed to become a successful physicist, but rarely taught in traditional undergraduate physics coursework. The skills covered will include scientific reading and writing skills, presentation skills as well as tools commonly used in physics research. As much as possible, this course will allow students to do real science as opposed to cookie-cutter experiments with known results.

0101	Timothy Uher M 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 20) PHY 1204
0201	Timothy Uher Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 1)

PHYS299L **Special Problems in Physics; Quantative Biology and Biophysics**

(Perm req)

Credits: 3 Grading Method: Regular

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Department permission required. The main focus of this course is to develop skill in carrying out research in small groups, and to tackle an authentic research question related to the dynamics of living systems. The motion and rearrangement of cells and the dynamics of a cell's components are key to understanding life, health and disease. With mentoring from a team of research scientists from the University of Maryland and the NIH, students will choose a specific open challenge and tackle it through group research.

0101	Satarupa Das, Arpita Upadhyaya, Wolfgang Losert	Seats (Total: 24)
	F 2:00pm - 3:50pm	PHY 1219
	Contact instructor or department for details.	

PHYS305 **Physics Shop Techniques**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of CMNS-Physics department.

Machine tools, design and construction of laboratory equipment.

0101	Instructor: TBA	Seats (Total: 6)
	Contact instructor or department for details.	

PHYS373 **Mathematical Methods for Physics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS273; and must have completed PHYS274.

A second course in mathematical methods for physics. Topics include Fourier Analysis, Power Series Solution of Differential Equations, Partial Differential Equations, and Complex Analysis.

0101	Kaustubh Agashe	Seats (Total: 55)
	TuTh 2:00pm - 3:15pm	PLS 1140

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS276 and PHYS273.

Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Wendell Hill M 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab
0201	Andris Skuja, Wendell Hill M 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab
0301	Wendell Hill M 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab

PHYS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Independent directed research and study on a topic selected by the student in consultation with his or her advisor. Final written thesis and oral defense will be expected.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

(Perm req)

Credits: 1-16 Grading Method: Regular, Pass-Fail, Audit

Credit according to work done. Enrollment is limited to students admitted to the independent studies program in physics.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399C **Special Problems in Physics; Physics STEM Seminar**

(Perm req)

Credits: 1-3 Grading Method: Regular

Selected advanced experiments. (Will be given with sufficient demand.)

0101	Thomas Gleason, Donna Hammer, Timothy Uher TBA	Seats (Total: 15) PHY 3150
0102	Donna Hammer, Timothy Uher, Thomas Gleason **Meets February 2, 2015 - May 12, 2015** Th 3:30pm - 4:30pm *Class meets in PSC 2148.*	Seats (Total: 10) Location: TBA

PHYS401 **Quantum Physics I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS273. Corequisite: PHYS374 and MATH240. Formerly: PHYS421.

Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Gregory Sullivan MWF 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 50) PHY 1201 PHY 1201

PHYS402 **Quantum Physics II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS401, PHYS374, and MATH240.

Quantum states as vectors; spin and spectroscopy, multiparticle systems the periodic table, perturbation theory, band structure, etc.

0101	Ian Appelbaum	Seats (Total: 60)	
	MWF 9:00am - 9:50am W 10:00am - 10:50am	PHY 1201 PHY 1201	

PHYS404 **Introduction to Statistical Thermodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS273; or students who have taken courses with comparable content may contact the department.

Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Instructor: TBA	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	CSS 1113

PHYS405 **Advanced Experiments**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department.

Advanced laboratory techniques. Selected experiments from many fields o modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Abolhassan Jawahery, Luis Orozco	Seats (Total: 20)	
	W 12:00pm - 12:50pm TBA	PHY 1402 PHY 3112	Lab Lab
0102	Luis Orozco, Abolhassan Jawahery	Seats (Total: 20)	
	W 12:00pm - 12:50pm TBA	PHY 1402 PHY 3112	Lab Lab

PHYS407 **Undergraduate Experimental Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing.

Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Thomas Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS374.

Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Carter Hall	Seats (Total: 44)
	TuTh 11:00am - 12:15pm	PHY 0405
	F 10:00am - 10:50am	PHY 0405

PHYS411 **Intermediate Electricity and Magnetism**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS374.

Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Daniel Lathrop	Seats (Total: 44)
	TuTh 9:30am - 10:45am	PHY 0405
	M 10:00am - 10:50am	PHY 0405

PHYS420 **Principles of Modern Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273.

A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 40) PHY 1402

PHYS431 **Properties of Matter**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, PHYS270, and MATH241; and (PHYS401 or PHYS420). Also offered as: ENMA460. Credit only granted for: ENMA460 or PHYS431.

Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Luz Martinez-Miranda MW 3:30pm - 4:45pm	Seats (Total: 15) CHM 1224

PHYS499A **Special Problems in Physics**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

(Perm req)

Credits: 1-16

Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS499M **Special Problems in Physics; Physics, Material Chemistry and Device Applications at the Nanoscale**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Also offered as ENMA489X. Credit granted for PHYS499M or ENMA489X.

0101	Min Ouyang	Seats (Total: 10)
	Tu 2:00pm - 4:50pm	PHY 1219

PHYS499P **Special Problems in Physics; Particle Astrophysics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Prerequisite: PHYS401.Pre- or Corequisite: PHYS401, PHYS411 or permission of instructor. Also offered as PHYS499P. Credit granted for ASTR498P or PHYS499P. Particle Astrophysics is an emerging field using particle physics techniques to study high-energy phenomena in the Universe. In this course we will give an overview of the field with emphasis on current experiments. The topics will include cosmic rays, neutrino oscillations, neutrino astronomy, gamma-ray astronomy, gamma-ray bursts, dark matter, and dark energy. The course will be taught by scientists working on many of the major experiments in the field including IceCube, HAWC, Fermi, and VERITAS.

0101	Instructor: TBA	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	CSS 1113

PHYS603 **Methods of Statistical Physics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: PHYS602 or PHYS603.

Foundations and applications of thermodynamics and statistical mechanics.

Advanced special students require department authorization. Also offered as CHPH718F.

0101	Instructor: TBA	Seats (Total: 49)
	TuTh 9:30am - 10:45am	PHY 1201

PHYS606 **Electrodynamics**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: PHYS604; or students who have taken courses with comparable content may contact the department.

Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity.

0101	Adil Hassam	Seats (Total: 50)
	TuTh 11:00am - 12:40pm	PHY 1402

PHYS623 **Introduction to Quantum Mechanics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have an outstanding undergraduate background in physics.

First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622.

Advanced special students require department authorization.

0101	Instructor: TBA	Seats (Total: 60)
	MWF 10:00am - 10:50am	PHY 1402

PHYS625 **Non-relativistic Quantum Mechanics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS623.

Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

0101	Victor Yakovenko	Seats (Total: 30)
	MWF 9:00am - 9:50am	PHY 1219

PHYS708 **Seminar in Teaching College Physics**

Credits: 1 Grading Method: Regular, Audit

0101	Ayush Gupta	Seats (Total: 15)
	Th 3:30pm - 4:45pm	PHY 0405

PHYS709 **Seminar in General Physics; Statistical Physics**

Credits: 1 Grading Method: Regular, Audit

Also offered as CHPH709B.

0101	Michelle Girvan Tu 1:15pm - 2:30pm	Seats (Total: 30) IPT 1116

PHYS711 **Symmetry Problems in Physics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS623.

A study of general methods of classification of physical systems by their symmetries and invariance properties, especially in quantum field theory applications.

0101	Sylvester Gates TuTh 12:30pm - 1:45pm	Seats (Total: 30) PHY 0405

PHYS728 **Seminar in Atomic and Molecular Physics**

Credits: 1 Grading Method: Regular, Audit

0101	Luis Orozco M 11:00am - 12:50pm	Seats (Total: 30) CSS 2400

PHYS731 **Solid State Physics: Survey**

Credits: 3 Grading Method: Regular, Audit

A variety of topics such as crystal structure, mechanical, thermal, electrical, and magnetic properties of solids, band structure, the Fermi surface, and superconductivity will be treated. Although the emphasis will be on the phenomena, the methods of quantum mechanics are freely employed in this description.

0101	James Williams TuTh 11:00am - 12:15pm	Seats (Total: 30) PHY 1204

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department authorization.

0101	Johnpierre Paglione Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department authorization.

0101	Victor Galitskiy Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics; Seminar in Nuclear Physics**

Credits: 1 Grading Method: Regular, Audit

0101	Carter Hall W 11:30am - 1:00pm	Seats (Total: 10) PHY 2202

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

Credits: 1 Grading Method: Regular, Audit

0101	Sarah Eno W 4:00pm - 5:30pm	Seats (Total: 25) PHY 0405

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department authorization.

0101	Kaustubh Agashe M 4:00pm - 4:50pm	Seats (Total: 27) PHY 4102

PHYS761 **Plasma Physics I: Survey**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS606 and PHYS604.

A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PHY 1402

PHYS769 **Seminar in Plasma Physics; Plasma Physics Research**

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department authorization.

0101	Adil Hassam	Seats (Total: 20)
	W 3:45pm - 5:00pm	Location: TBA

PHYS778 **Seminar in Space and Cosmic Ray Physics**

Credits: 1 Grading Method: Regular, Audit

Advanced special students require department authorization.

0101	Douglas Hamilton, Eun-Suk Seo	Seats (Total: 15)
	M 4:30pm - 5:45pm	CSS 2400

PHYS798 **Special Problems in Advanced Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Thomas Cohen	Seats (Total: 100)
	Tu 4:00pm - 5:30pm	PHY 1412

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Also offered as ENEE698D.

0101	Michelle Girvan	Seats (Total: 20)
	Th 12:30pm - 1:30pm	ERF 1207

PHYS798E **Special Problems in Advanced Physics; Electrophysics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Phillip Sprangle	Seats (Total: 41)
	W 11:00am - 11:50am	KEB 1200

PHYS798L **Special Problems in Advanced Physics; Biophysics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Also offered as CHPH709L and BIPH698L.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

PHYS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

PHYS799B **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0101	Thomas Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

Credits: 2 Grading Method: Regular, Audit

Credit according to work done.

Also offered as CHPH718A.

0101	Theodore Einstein, William Cullen	Seats (Total: 3)
	M 12:00pm - 1:00pm	PHY 0405
	F 3:00pm - 5:00pm	PHY 1204

PHYS838C **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

Credits: 2 Grading Method: Regular, Audit

Credit according to work done.

0101	Johnpierre Paglione, Richard Greene	Seats (Total: 30)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics**

Credits: 1-4 Grading Method: Regular, Audit

Credit according to work done.

0101	Sankar Das Sarma	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS839J **Special Topics in Theoretical Solid State Physics; Topology and Condensed Matter Physics**

Credits: 2 Grading Method: Regular, Audit

Credit according to work done.

0101	Jay Sau	Seats (Total: 25)
	W 2:00pm - 3:30pm	PHY 1204
	Class time/details on ELMs	ONLINE

PHYS889E **Special Topics in Interdisciplinary Problems; Seminar in Physics Education Research**

Credits: 1 Grading Method: Regular, Audit

Credit according to work done.

0101	Ayush Gupta	Seats (Total: 10)
	W 11:00am - 12:30pm	PHY 1303

PHYS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

PLSC Plant Sciences Spring 2015

PLSC100 **Introduction to Horticulture**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL

An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices.

Students must pay a $50.00 lab materials fee.

0101	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 2:00pm - 4:20pm	PLS 1153	Lab
	M 1:00pm - 1:50pm	PLS 1153	Discussion

0102	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Tu 1:30pm - 3:50pm	PLS 1153	Lab
	Tu 12:30pm - 1:20pm	PLS 1153	Discussion
0103	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 2:00pm - 4:20pm	PLS 1153	Lab
	W 1:00pm - 1:50pm	PLS 1153	Discussion
0104	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Th 1:30pm - 3:50pm	PLS 1153	Lab
	Th 12:30pm - 1:20pm	PLS 1153	Discussion
0105	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 10:00am - 12:20pm	PLS 1153	Lab
	M 9:00am - 9:50am	PLS 1153	Discussion
0106	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 10:00am - 12:20pm	PLS 1153	Lab
	W 9:00am - 9:50am	PLS 1153	Discussion
0107	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	F 10:00am - 12:20pm	PLS 1153	Lab
	F 9:00am - 9:50am	PLS 1153	Discussion

PLSC226 **Plant Diversity**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC201; or permission of instructor.

Students will learn to identify and understand relationships among majo plant families of northeastern North America, especially of the Mid-Atlantic region, through lecture, field, and laboratory study. Characteristics and biogeography of and evolutionary relationships among families are emphasized in lecture. These characteristics will be woven together to provide understanding of the ecological and evolutionary drivers of plant diversity and the history of the field. Sight identification of families, genera, and species and keying skills are stressed in field and laboratory sessions.

0101	Maile Neel	Seats (Total: 10)	
	TuTh 12:30pm - 1:45pm Th 9:30am - 12:20pm	PLS 1146 PLS 1153	 Lab

PLSC235 **Irrigation and Drainage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC235 or PLSC489I. Formerly: PLSC489I.

An overview of U.S. and state water doctrines and plant water use rates Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

0101	Justin Mathias	Seats (Total: 22)	
	TuTh 11:00am - 1:00pm	JUL 1123	

PLSC254 **Woody Plants for Mid-Atlantic Landscape II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC100 and PLSC253; or permission of instructor.

A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

0101	Instructor: TBA	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1153	 Lab
0102	Instructor: TBA	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1117	 Lab

PLSC271 **Plant Propagation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105 or PLSC100.

A study of the principles and practices in the propagation of plants.

0101	Gary Coleman	Seats (Total: 12)	
	TuTh 2:00pm - 2:50pm	PLS 1117	
	Tu 3:30pm - 5:15pm	PLS 1117	Lab
0102	Gary Coleman	Seats (Total: 12)	
	TuTh 2:00pm - 2:50pm	PLS 1117	
	Th 3:30pm - 5:15pm	PLS 1117	Lab

PLSC272 **Principles of Arboriculture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: PLSC100 and PLSC171. Recommended: ENST200.

The establishment and maintenance of healthy trees in an urban setting will be studied. Lectures will focus on the environmental constraints to tree development in the city, and the role of physiological processes in regulating tree vigor. Laboratory exercises will cover the unique aspects of urban soils, tree valuation procedures, pruning and training, and supervised climbing.

0101	Kenneth Ingram	Seats (Total: 20)	
	Tu 2:00pm - 4:00pm	JUL 1105	
	Th 2:00pm - 5:00pm	JUL 1123	

PLSC275 **Fundamentals of Agricultural Chemistry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131 and CHEM132; and (PLSC100, PLSC101, BSCI105, or BSCI106). Restriction: Must not have completed CHEM104 or CHEM105. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in a major within AGNR-Animal & Avian Sciences department; or permission of instructor. Credit only granted for: PLSC275, CHEM104, or CHEM105.

An in-depth discussion of chemistry targeted to students enrolled in plant and animal management curricula offered in AGNR. Covers the nomenclature and basic functional groups in organic chemistry, secondary plant metabolites, basic tenets of organic agriculture and the creation of genetically-modified plants. The chemistry, handling and usage of agricultural pesticides is also discussed.

0101	Christopher Walsh	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	PLS 1119	

PLSC321 **Landscape Structures and Materials**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC320. Also offered as: LARC321. Credit only granted for: LARC321 or PLSC321.

An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	David Myers	Seats (Total: 15)	
	TuTh 9:30am - 10:45am Th 11:00am - 12:15pm	PLS 1111 PLS 2150	Lab

PLSC388 **Honors Thesis Research**

Credits: 3-6

Grading Method: Regular, Pass-Fail, Audit

Undergraduate honors thesis research conducted under the direction of a AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details. Contact instructor or department for details.	

PLSC399 **Special Problems in Plant Science**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.

0401	Mark Carroll	Seats (Total: 10)
	Contact instructor or department for details.	
0801	Steven Cohan	Seats (Total: 10)
	Contact instructor or department for details.	
1001	Gary Coleman	Seats (Total: 10)
	Contact instructor or department for details.	
1801	Kathryne Everts	Seats (Total: 10)
	Contact instructor or department for details.	

2801	John Lea-Cox Contact instructor or department for details.	Seats (Total: 10)
3001	Marla McIntosh Contact instructor or department for details.	Seats (Total: 10)
3201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
3601	Maile Neel Contact instructor or department for details.	Seats (Total: 10)
4401	William Phillips Contact instructor or department for details.	Seats (Total: 10)
4601	Joseph Sullivan Contact instructor or department for details.	Seats (Total: 10)
5201	Christopher Walsh Contact instructor or department for details.	Seats (Total: 10)
5401	Yilmaz Balci Contact instructor or department for details.	Seats (Total: 10)
5601	Priscila Chaverri Contact instructor or department for details.	Seats (Total: 10)
6001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
6201	Jianhua Zhu Contact instructor or department for details.	Seats (Total: 10)
7001	Shirley Micallef Contact instructor or department for details.	Seats (Total: 10)
7201	Katherine Tully Contact instructor or department for details.	Seats (Total: 10)
7401	Angus Murphy Contact instructor or department for details.	Seats (Total: 10)
7601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

PLSC407 **Advanced Crop Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC101 and BSCI105.

A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

0101	William Phillips	Seats (Total: 25)	
	MWF 12:00pm - 12:50pm	PLS 1158	

PLSC425 **Green Roofs and Urban Sustainability**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC425 or PLSC489V. Formerly: PLSC489V.

The integration of disciplines associated with sustainability issues. Topics range from plant science to design to policy, all of which can contribute to improving the urban environment.

0101	Steven Cohan	Seats (Total: 65)	
	Tu 11:00am - 12:15pm	PLS 1130	

PLSC452 **Environmental Horticulture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC100 or PLSC101; and (PLSC253 and PLSC254).

Environmental horticulture principles used in the establishment and maintenance of plant materials in residential and commercial landscapes will be addressed. The effect of soil conditions, environmental factors, and commercial practices will be discussed in relation to the growth and development of newly-installed plant materials. Field diagnostics will be used by students to assess significant problems of plant decline. Environmental sustainability will be combined with current commercial practices of storm water management, nutrient management, and irrigation management to achieve an integrated approach to plant management.

Students must pay a $60.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1113	
	W 1:00pm - 3:50pm	PLS 1113	Lab

PLSC460 **Application of Knowledge in Plant Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS

Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENGL393 and ENST200; and (PLSC389 or PLSC399). Restriction: Senior standing or higher. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in another related major.

A capstone course based on interactions with plant science professional and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further develop critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

0101	William Phillips	Seats (Total: 25)
	Tu 12:30pm - 3:15pm	PLS 1115

PLSC461 **Cultural Management of Nursery and Greenhouse Systems: Substrates**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC461 or PLSC489T. Formerly: PLSC489T. Additional information: Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module. PLSC 461, 462 and 464 will be taught sequentially during the semester.

One of three 1-credit modules (PLSC461, PLSC462 and PLSC 464)covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the composition, handling, physical and chemical properties of substrates and how they should be managed to maximize plant growth.

0101	Andrew Ristvey	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC462 **Cultural Management of Nursery and Greenhouse Systems; Irrigation**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC462 or PLSC489W. Formerly: PLSC489W. Additional information: Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module. PLSC 461, 462 and 464 will be taught sequentially during the semester.

One of three 1-credit modules (PLSC461, PLSC462 and PLSC464) covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers water quantity and quality issues, water supply (basic hydraulics), irrigation system design and irrigation system evaluation (performance) to maximize water application efficiency.

0101	Andrew Ristvey	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC464 **Cultural Management of Nursery and Greenhouse Systems: Nutrients**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC464 or PLSC489Z. Formerly: PLSC489Z. Additional information: Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module. PLSC 461, 462 and 464 will be taught sequentially during the semester.

One of three 1-credit modules (PLSC461, PLSC462 and PLSC464) covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the basics of fertilization, different fertilization strategies and nutrient use and efficiency, to optimize nutrient application practices in intensive plant production systems.

0101	Andrew Ristvey	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC471 **Forest Ecology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC201 or BSCI106.

An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	PLS 1130

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

0101	Steven Cohan	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

0101	Steven Cohan	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC489O **Special Topics in Plant Science; Plant Taxonomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Students will learn to identify major plant families and genera by sight and through keying. They will develop an understanding of relationships among families as well as the ecological and evolutionary drivers of plant diversity through lecture, field, and laboratory study. Emphasis will be on the flora of teh mid-Atlantic and northeastern North America but will include families that are important worldwide in agriculture and horticulture.

0101	Maile Neel	Seats (Total: 10)	
	TuTh 12:30pm - 1:45pm	PLS 1146	
	Th 9:30am - 12:20pm	PLS 1153	Lab

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Prerequisite: ENBE200 or PLSC204 and permission of instructor.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC489V **Special Topics in Plant Science; Fruit and Vegetable Production and Management**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Contact department for information to register for this course.

PLSC489W **Special Topics in Plant Science; Plant-Microbe Associations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Plants turn sunlight into sugar. Thus, plants are rich sources of "food" to diverse microbial communities. Some microbes choose to "earn" food from plants by providing host plants benefit; while others "steal" or "seize" food from their hosts. Understanding the diverse relationships between plants and their associated microbes is very important for crop protection and food security. This course features a comparative analysis of the ecology, physiology and genetics of plant - microbe interactions along with their impact on society and the surrounding ecosystem. Students will become familiar with the diverse array of plant microbe interactions that occur in agricultural and natural settings. These include: (i) pathogenic strategies used by diverse pathogens to overcome the immune system of plants and cause disease, (ii) the molecular mechanisms by which plants recognize invading pathogens and elicit immune responses, including the co-evolutionary host-pathogen arms-race, (iii) exploration of the mechanisms used by human pathogens to associate with plants and their impact on food safety and (iv) the symbiotic relationships between plants and microbes.

0101	Shunyuan Xiao, James Culver	Seats (Total: 10)
	TuTh 9:30am - 10:45am	HBK 0105

PLSC608T **Research Methods; Supervised Teaching**

Credits: 2

Grading Method: Regular,
Audit

An overview of research methods and applications related to plant sciences. Topics covered include current research advances, professional conduct and ethics, and preparation of grant proposals, manuscripts, and scientific presentations.

0101	Marla McIntosh Contact instructor or department for details.	Seats (Total: 5)	
5201	Christopher Walsh Contact instructor or department for details.	Seats (Total: 5)	
6201	Jianhua Zhu Contact instructor or department for details.	Seats (Total: 5)	

PLSC689A **Special Topics; Seminars in Plant Science and Landscape Architecture**

Credits: 1

Grading Method: Regular,
Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Jianhua Zhu Th 4:00pm - 4:50pm Th 5:00pm - 5:50pm	Seats (Total: 60) PLS 1140 PLS 1140	 Discussion

PLSC689B **Special Topics; Signal Transduction Pathways in Plant Abiotic Stresses Responses**

Credits: 2

Grading Method: Regular,
Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Plants on earth are frequently challenged by the changing physical environment, which often generates various biotic and abiotic stresses including UV radiation, salinity, drought, nutrition deficiencies, and temperature extremes. Such abiotic stresses limit the productivity and quality of crop plants worldwide. This course will survey current advances in elucidation of the molecular mechanisms that plants have evolved to cope with abiotic stresses with the long-term goal of enhancing awareness of the public to these issues and improving sustainability of agriculture under the changing global climates.

0101	Jianhua Zhu M 3:00pm - 4:50pm	Seats (Total: 10) PLS 1146

PLSC689C **Special Topics; Conservation Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Prerequisite: permission of department.

0101	Maile Neel	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689D **Special Topics; Progress and Issues with Bioenergy**

Credits: 1 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

The society around the globe faces a combination of rapidly increasing population, growing energy demand, volatile oil prices and an urgent need to reduce greenhouse gases. Bioenergy is an essential option for a wide-range of applications. Bioenergy resources can provide some of the solutions to the energy and climate change challenges of the future. We will discuss recent progress and issues with bioenergy production, transportation and utlization.

0101	Jianhua Zhu	Seats (Total: 10)
	M 12:00pm - 12:50pm	PLS 1146

PLSC689E **Special Topics; Visualization and Interpretation of Experimental Research Data Using JMP**

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Prerequisite: a course in statistical analysis and design. Also offered as MEES698D. Credit granted for PLSC689E or MEES698D. Students will learn the basics of data management and exploration using JMP. Using real data sets, students will develop hypotheses, determine appropriate statistical approaches to test hypotheses, explore data for errors and statistical assumptions, perform statistical analyses, interpret results, and prepare tables, figures, and text to communicate results. Each student will present a final project based on a dataset of their choice.

0101	Marla McIntosh	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	PLS 1158

PLSC689T **Special Topics; Tree Genomics**

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Gary Coleman	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC689W **Special Topics; Plant-Microbe Associations**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Plants turn sunlight into sugar. Thus, plants are rich sources of "food" to diverse microbial communities. Some microbes choose to "earn" food from plants by providing host plants benefit; while others "steal" or "seize" food from their hosts. Understanding the diverse relationships between plants and their associated microbes is very important for crop protection and food security. This course features a comparative analysis of the ecology, physiology and genetics of plant - microbe interactions along with their impact on society and the surrounding ecosystem. Students will become familiar with the diverse array of plant microbe interactions that occur in agricultural and natural settings. These include: (i) pathogenic strategies used by diverse pathogens to overcome the immune system of plants and cause disease, (ii) the molecular mechanisms by which plants recognize invading pathogens and elicit immune responses, including the co-evolutionary host-pathogen arms-race, (iii) exploration of the mechanisms used by human pathogens to associate with plants and their impact on food safety and (iv) the symbiotic relationships between plants and microbes.

0101	Shunyuan Xiao, James Culver	Seats (Total: 10)
	TuTh 9:30am - 10:45am	HBK 0105

PLSC789F **Advances in Research; Critiquing Primary Plant Science Literature**

Credits: 1 Grading Method: Regular, Audit

Discussion of advances in plant science research based on classic and current scientific literature.

0101	Angus Murphy, Maile Neel	Seats (Total: 15)
	Tu 3:30pm - 4:45pm	PLS 1164

PLSC789M **Advances in Research; Plant Membrane Biology**

Credits: 1 Grading Method: Regular, Audit

Discussion of advances in plant science research based on classic and current scientific literature.

0101	Angus Murphy, Wendy Peer	Seats (Total: 10)
	M 10:00am - 11:15am	PLS 1172

PLSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PORT Portuguese Spring 2015

PORT104 **Intensive Elementary Portuguese**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.

Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

Contact department for information to register for this course.

PORT204 **Intensive Intermediate Portuguese**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PORT104; or must have appropriate Foreign Language Placement Test (FLPT) score.

Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Instructor: TBA TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 2120 KEY 0125

PORT207 **Intermediate Reading and Conversation in Portuguese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PORT205; or students who have taken courses with comparable content may contact the department. Restriction: Not open to native/fluent speakers of Portuguese.

Advanced practice of oral and written Portuguese. Reading and discussions of texts, review of grammar, and vocabulary practice.

0101	Regina Igel TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2117

PORT228L **Selected Topics in Latin American Literature and Society; Geo-textualities in Contemporary Latin American Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU

Variable cultural studies topics on literature and society in contemporary Latin America. Taught in English.

Also offered as SLLC299G and SPAN228L. Credit granted for PORT228L, SPAN228L, or SLLC299G. Exploration of global connections articulated within Latin American novels and short stories as they expand their geo-cultural context and respond to issues such as globalization, cosmopolitanism, border-crossing, multiculturalism, and questions of cultural identity. Taught in English.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 3205

PORT332 **Brazilian Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Credit only granted for: PORT332, FILM332, or PORT378. Formerly: PORT378.

Brazilian films from the late 1950s to the present with a special view to the relationship between cinema, society, historical dates, and social changes in Brazil. Taught in English.

0101	Regina Igel	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2122

PORT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature under the supervision of a faculty member of the department.

Contact department for information to register for this course.

PSYC Psychology Spring 2015

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available. The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 **Introduction to Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSNS

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research.

Click here for course syllabus.

0101	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 9:00am - 9:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0102	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Ryan Curtis	Seats (Total: 40)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 1:00pm - 1:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0106	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 9:00am - 9:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0107	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0108	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0109	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 1:00pm - 1:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0110	Ryan Curtis	Seats (Total: 30)	
	W 4:00pm - 5:20pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 9:00am - 9:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0202	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 10:00am - 10:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0203	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0204	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 12:00pm - 12:50pm	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0205	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0206	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 9:00am - 9:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0207	Ryan Curtis	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	F 10:00am - 10:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0208	Ryan Curtis Th 3:30pm - 4:50pm F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0209	Ryan Curtis Th 3:30pm - 4:50pm F 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0210	Ryan Curtis Th 3:30pm - 4:50pm F 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 0283 ONLINE	 Discussion Discussion

PSYC100H **Introduction to Psychology**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSNS

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

0101	Dylan Selterman MWF 11:00am - 11:50am	Seats (Total: 30) HBK 0115

PSYC111 **The Psychology of Unethical Conduct**

Credits: 1 Grading Method: Regular

Additional information: Online and self-paced course open to all majors.

An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community.

Click here for more course information.

0101	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE

0301	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0401	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0501	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0601	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0701	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0801	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
0901	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1001	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1101	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1201	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1301	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1401	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE
1501	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE

PSYC123 The Psychology of Getting Hired

Credits: 1 Grading Method: Regular

Restriction: Junior standing or lower.

Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!

0101	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE
0201	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE
0301	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE
0401	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE
0501	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE
0601	Kelley Bishop Class time/details on ELMs	Seats (Total: 50) ONLINE

PSYC200 **Statistical Methods in Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

A basic introduction to quantitative methods used in psychological research.

Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107.

Click here for course syllabus.

0101	Instructor: TBA	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 9:00am - 9:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0102	Instructor: TBA	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 10:00am - 10:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Instructor: TBA	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Instructor: TBA	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 1:00pm - 1:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Instructor: TBA	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 2:00pm - 2:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Instructor: TBA	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 9:00am - 9:50am	BPS 1228	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0202	Instructor: TBA	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 10:00am - 10:50am	BPS 1232	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0203	Instructor: TBA	Seats (Total: 23)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 11:00am - 11:50am	BPS 1232	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0204	Instructor: TBA	Seats (Total: 23)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 1:00pm - 1:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0205	Instructor: TBA	Seats (Total: 23)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 2:00pm - 2:50pm	PLS 1146	Discussion
	Class time/details on ELMs	ONLINE	Discussion

PSYC206 **Developmental Biopsychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Biological basis of behavioral development in relation to genetic, constitutional, anatomical, physiological, and environmental factors. Emphasis upon both phylogenetic and ontogenetic research findings in biological psychology.

For PSYC majors only.

0101	Steven Brauth	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BPS 1236

PSYC210 **Personality and Temperament: Developmental Origins, Brain Bases, and Clinical Implications**

Credits: 3 Grading Method: Regular

Prerequisite: PSYC100. Restriction: Must be in Psychology program.

What is known about what makes each of us unique? How do these differences contribute to enduring differences in health & wealth? We will review recent research in humans and non-humans aimed at understanding the psychological & biological mechanisms underlying stable individual differences in personality. We will discuss the phylogenetic and ontogenetic origins of temperament, measurement issues, fundamental dimensions of personality across the lifespan, neurobiological substrates of temperament/personality, mechanisms contributing to stability and change, implications for psychopathology, & broader implications for public/macroeconomic policy.

0101	Alexander Shackman	Seats (Total: 117)
	TuTh 11:00am - 12:15pm	BPS 1243

PSYC221 **Social Psychology**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS, DSSP

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

Click here for course syllabus.

0101	Instructor: TBA MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 150) BRB 1101 BRB 1101	 Discussion
0201	Instructor: TBA MW 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 150) BRB 1101 BRB 1101	 Discussion

PSYC289D **Living the Good Life: The Psychology of Happiness**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS, SCIS

What are the secrets to living a happy life? This course will introduce students to contemporary scientific approaches to studying age-old questions about how to get happy.

0101	Nazish Salahuddin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 117) BPS 1243 ONLINE	

PSYC300 **Research Methods in Psychology Laboratory**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit		General Education: DSSP

Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.

A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.

Click here for course syllabus.

0101	Instructor: TBA MW 1:00pm - 1:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion

0102	Richard Yi MW 1:00pm - 1:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1238	 Discussion
0103	Richard Yi MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0104	Richard Yi MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1238	 Discussion
0106	Instructor: TBA MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0108	Richard Yi MW 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0201	Instructor: TBA MW 3:00pm - 3:50pm M 8:00am - 9:50am	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion
0202	Richard Yi MW 3:00pm - 3:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion
0203	Richard Yi MW 3:00pm - 3:50pm F 8:00am - 9:50am	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0204	Richard Yi MW 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0205	Instructor: TBA MW 3:00pm - 3:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion

0206	Richard Yi	Seats (Total: 16)	
	MW 3:00pm - 3:50pm Th 2:00pm - 3:50pm	BPS 1250 BPS 1234	Discussion

PSYC301 **Biological Basis of Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100 and BSCI105.

An introduction to the anatomical structures and physiological processe that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	David Yager	Seats (Total: 150)	
	TuTh 12:30pm - 1:45pm	BPS 1250	

PSYC302 **Fundamentals of Learning and Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100 and BSCI105. Restriction: Restricted to psychology majors during the registration period. All other majors will be placed on a hold file. Credit only granted for: PSYC309F or PSYC302. Formerly: PSYC309F.

Overview of the fundamental types of learning that occur without formal instruction. The course covers fundamentals of classical and instrumental conditioning as studied in a variety of species in addition to more modern theories of learning. We will then explore how these principles influence diverse processes such as memory, attention, extinction, categorization, motivation, and in some cases, how they are implemented in the brain and disrupted in disease.

0101	Matthew Roesch	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	CCC 1111	

PSYC303 **Professional Development for Psychology Majors**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; and must have completed 3 additional credits in PSYC courses. Or permission of BSOS-Psychology department. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309C or PSYC303. Formerly: PSYC309C.

An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.

0101	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE
0301	Kevin McGann Class time/details on ELMs	Seats (Total: 20) ONLINE

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics of current interest which represent extensions of or additions to topics covered in more general topical courses.

Contact department for information to register for this course.

PSYC319D **Community Interventions: Service Learning**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Apply knowledge gained in PSYC318 to provide interventions to individuals dealing with a community problem. Critical analysis of interventions and related research. Ethical and cultural considerations in the provision of services are addressed.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 12) PLS 1172

PSYC330 **Child Psychopathology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Restriction: Must be in Psychology program. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B.

Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence.

0101	Lea Dougherty	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	BPS 1238

PSYC332 **Psychology of Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

Restricted to PSYC (major code 20010) students only.

Contact department for information to register for this course.

PSYC334 **Psychology of Interpersonal Relationships**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Dylan Selterman	Seats (Total: 150)
	TuTh 2:00pm - 3:15pm	BPS 1250

PSYC336 **Psychology of Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.

A survey of the biology, life span development, socialization, personality, mental health, and special issues of women.

Restricted to PSYC (major code 20010) students only. Students will be expected to meet face-to-face during class time to complete small group work on 5-6 Fridays during the semester.

Click here for course syllabus.

0101	Nazish Salahuddin	Seats (Total: 110)
	MW 11:00am - 11:50am F 11:00am - 11:50am	BPS 1250 ONLINE

PSYC338A **Special Topics in Study Abroad III; Applied Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC338D **Special Topics in Study Abroad III; Developmental Disorders**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC338L **Special Topics in Study Abroad III; Psychology of Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200 and PSYC300.

An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Michael Dougherty TuTh 12:30pm - 1:45pm	Seats (Total: 115) BPS 1243

PSYC353 Adult Psychopathology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Restriction: Must be in Psychology program.

The nature, diagnosis, etiology, and treatment of mental disorders.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 130) BPS 1250
SG91	Rebecca Morse TuTh 12:30pm - 1:45pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4226

PSYC354 Cross-Cultural Psychology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100.

Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions.

Click here for course syllabus.

0101	Susan Lee	Seats (Total: 150)
	MWF 11:00am - 11:50am	HJP 0226

PSYC361 **Survey of Industrial and Organizational Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes.

Restricted to PSYC (major code 20010) students only.

0101	Jesse Harrington	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	BPS 1243

PSYC362 **Introduction to Negotiation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC221 or PSYC361; or permission of BSOS-Psychology department. Restriction: Must be in Psychology program. Credit only granted for: PSYC309F or PSYC362. Formerly: PSYC309F. Additional information: Restricted to PSYC majors during preregistration.

Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team.

Students must pay a $30.00 materials fee.

0101	Michele Gelfand	Seats (Total: 20)
	W 3:00pm - 5:30pm	HBK 0108

PSYC389 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Internship in psychology-related fields.

0101	Steven Young Contact instructor or department for details.	Seats (Total: 20)	

PSYC401 **Biological Bases of Behavior Laboratory**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300; and (PSYC301 or BSCI353). Restriction: Permission of instructor; and must be in Psychology program; and must have earned a minimum of 85 credits.

A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab

PSYC402 **Neural Systems and Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC301. Additional information: Priority is given to PSYC majors.

Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

Restricted to PSYC (major code 20010) students only.

0101	Steven Brauth TuTh 2:00pm - 3:15pm	Seats (Total: 40) BPS 1238	

PSYC404 **Introduction to Behavioral Pharmacology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC301. Restriction: Must be in Psychology program.

Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

Contact department for information to register for this course.

PSYC406 **Neuroethology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC301. Restriction: Must be in Psychology program.

A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals.

Restricted to PSYC (major code 20010) students only.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 1236

PSYC413 **Developmental Cognitive/Social Neuroscience**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC355 or PSYC301; or permission of instructor. Restriction: Restricted to psychology majors and neuroscience minors during the registration period. All other students can reserve a position on the hold file, and will be offered a seat on a space-available basis. Credit only granted for: PSYC309D, PSYC309H, or PSYC413. Formerly: PSYC309D, PSYC309H.

Developmental cognitive/social neuroscience is the study of how the brain underlies the acquisition, refinement, and maintenance of complex cognitive and social abilities. The goal of this course is to gain an understanding of current research, methods, and theories in developmental cognitive/social neuroscience through lecture and discussion.

0101	Elizabeth Redcay	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	BPS 1236

PSYC416 **Development of Attachment in Infancy and Childhood: Theory, Research, Methods, and Clinical Implications**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC355; or permission of instructor. Restriction: Must be in a major within the BSOS-Psychology department. Credit only granted for: PSYC309J or PSYC416. Formerly: PSYC309J.

Overview of the development of attachment during infancy and childhood, examining theory, research methods, research findings, and clinical implications. Students will observe videos of attachment assessments, lead class discussion of readings, make class presentations, and complete writing assignments.

0101	Jude Cassidy TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 1234	

PSYC420 **Experimental Psychology: Social Psychology Laboratory**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Instructor: TBA MW 10:00am - 10:50am F 8:00am - 9:50am	Seats (Total: 10) BPS 1236 BPS 1228	Lab
0102	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 10) BPS 1236 BPS 1228	Lab
0201	Ryan Curtis MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 10) BPS 1236 BPS 1228	Lab
0202	Ryan Curtis MW 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 10) BPS 1236 BPS 1232	Lab

PSYC424 **Communication and Persuasion**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: PSYC221 and PSYC200.

Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence.

Restricted to PSYC (major code 20010) students only.

Click here for more course information, and to obtain permission to register.

0101	Scott Roberts TuTh 9:30am - 10:45am	Seats (Total: 28) BPS 0283

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

Restricted to PSYC (major code 20010) students only.

0101	Derek Iwamoto TuTh 12:30pm - 1:45pm	Seats (Total: 50) HBK 0103
0201	Margo Gregor MW 2:00pm - 3:15pm	Seats (Total: 50) BPS 1236

PSYC433 **Basic Helping Skills: Research and Practice**

Credits: 4 | Grading Method: Regular

Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Ellen Baumann Tu 12:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 10) BPS 0283 BPS 0283	 Lab
0102	Ellen Baumann Tu 12:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 10) BPS 0283 COL 0100	 Lab
0103	Ellen Baumann Tu 12:00pm - 1:50pm Th 4:00pm - 6:00pm	Seats (Total: 10) BPS 0283 BPS 1234	 Lab
0104	Ellen Baumann Tu 12:00pm - 1:50pm Th 4:00pm - 6:00pm	Seats (Total: 10) BPS 0283 HBK 1112	 Lab
0201	Marisa Franco M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 10) SKN 0104 BPS 1232	 Lab
0202	Marisa Franco M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 10) SKN 0104 BPS 1228	 Lab
0203	Marisa Franco M 4:00pm - 6:00pm W 10:00am - 12:00pm	Seats (Total: 10) SKN 0104 BPS 1232	 Lab
0204	Marisa Franco M 4:00pm - 6:00pm W 10:00am - 12:00pm	Seats (Total: 10) SKN 0104 BPS 1228	 Lab
0301	Alexandra Savela Tu 2:00pm - 4:00pm W 10:00am - 12:00pm	Seats (Total: 10) BPS 0283 JUL 1105	 Lab
0302	Alexandra Savela Tu 2:00pm - 4:00pm W 10:00am - 12:00pm	Seats (Total: 10) BPS 0283 CHM 0124	 Lab

0303	Alexandra Savela Tu 2:00pm - 4:00pm W 1:00pm - 3:00pm	Seats (Total: 10) BPS 0283 BPS 1234	 Lab
0304	Alexandra Savela Tu 2:00pm - 4:00pm W 1:00pm - 3:00pm	Seats (Total: 10) BPS 0283 JMZ 1123	 Lab

PSYC435 **Theories of Personality and Psychotherapy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Major theories of personality and research methods and findings relevant to those theories.

Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300.

Critical analysis of clinical psychology, with particular emphasis on current developments and trends.

Restricted to PSYC (major code 20010) students only.

Click here for course syllabus.

0101	Mary Byrne TuTh 11:00am - 12:15pm	Seats (Total: 75) JMZ 0220

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; and 9 credits in PSYC courses. Credit only granted for: PSYC309E (taken in the Winter Term) or PSCY437. Formerly: PSYC309E.

Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

Restricted to PSYC (major code 20010) students only.

Contact department for information to register for this course.

PSYC440 **Experimental Psychology: Cognitive Processes**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC341 and PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

Restricted to PSYC (major code 20010) students only.

0101	Tracy Tomlinson, Daniel Buttaccio	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	BPS 1238	
	W 1:00pm - 3:00pm	CHE 2116	Lab

PSYC442 **Psychology of Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300 and PSYC341. Restriction: Must be in Psychology program.

Introductory survey of the psychology of language, focusing on the cognitive processes that enable us to produce and understand language. Topics include speech perception, speech production, syntactic processing, language development, language disorders, and the brain bases of language.

Restricted to PSYC (major code 20010) students only.

0101	Robert Slevc	Seats (Total: 50)
	TuTh 9:30am - 10:45am	BPS 1236

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200. Credit only granted for: PSYC309E or PSYC444. Formerly: PSYC309E.

Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology.

Restricted to PSYC (major code 20010) students only.

0101	Kent Norman MWF 11:00am - 11:50am	Seats (Total: 36) PLS 1129

PSYC456 **Research Methods in Developmental Psychology Laboratory**

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300; and permission of BSOS-Psychology department. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

A presentation of major research designs used in developmental psychology and of the methodology used in developmental research, such as observational research, program evaluation, and laboratory experimentation.

0101	Jude Cassidy TuTh 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 10) BPS 1232

PSYC468H **Field Experience and Special Assignments in Honors**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the honors student and his or her supervisor. A proposal submitted to the honors faculty in the semester preceding registration for the course should state the activities anticipated and the method of evaluation.

0101	Jack Blanchard Tu 4:00pm - 4:50pm	Seats (Total: 20) BPS 3141

PSYC469H **Honors Thesis Proposal Preparation**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Development of honors thesis proposal by preliminary research and literature review. Presentation of formal proposal to the thesis committee.

Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

Contact department for information to register for this course.

PSYC489C **Advanced Special Topics in Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

0101	Jonathan Beier	Seats (Total: 18)
	Tu 3:30pm - 6:00pm	JMZ 3205

PSYC489H **Advanced Special Topics in Psychology; Motivated Social Cognition**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

Prerequisite: PSYC300. Restricted to students in the psychology honors program. Our beliefs, judgments and impression have a motivational basis. Sometimes our motivation is to reach the Truth, at other times the primary motivation is to fulfill our wishes of some sort. Recent research in social cognition examined the ways in which our motivation affect our beliefs and how this in turn affects our behavior. This course will examine major theories and research findings in the area to inform students about this major aspect of human psychology.

0101	A Kruglanski	Seats (Total: 20)
	W 3:00pm - 5:30pm	PLS 1146

PSYC489N **Advanced Special Topics in Psychology; Evolution of the Forebrain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

Prerequisite: PSYC301. For students who have not had PSYC301, written permission of the instructor is required. A comparative approach to the organization and functions of important forebrain systems focusing on the question of how new neural systems have evolved in vertebrates. Topics include the organization and evolution of the cerebral cortex (and its counterparts in non-mammals), basal ganglia and limbic system. We address theories of how these neural structures have been modified from the ancestral condition or have arisen de novo.

0101	Steven Brauth	Seats (Total: 25)
	M 3:00pm - 5:30pm	BPS 1232

PSYC499H **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC602 **Quantitative Methods II**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: PSYC601.

A continuation of PSYC 601. Topics include experimental design, analysi of variance, analysis of covariance, multiple regression, and general linear models.

For all non-psychology graduate students, written permission of the instructor is required.

0101	Kevin O'Grady	Seats (Total: 23)	
	TuTh 9:00am - 11:00am	BPS 1232	
	Th 5:00pm - 7:00pm	PLS 1129	Lab

PSYC606 **Human Biopsychology**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: PSYC606 or PSYC660. Formerly: PSYC660.

An introductory graduate level course in human psychobiology designed for graduate students with little specific training in this area. Introduction to the comparative and evolutionary approach to the study of human behavior, the biobehavioral basis of human sexuality and social behavior, the physiological basis of higher cortical functions in humans including language, memory, and spatial perception, and an introduction to neuropharmacology.

0101	David Yager	Seats (Total: 22)
	Tu 3:30pm - 4:45pm	JMZ 2207
	Th 3:30pm - 4:45pm	BPS 1132

PSYC622 **Research Methods in Clinical Psychology**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718.

Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

0101	Laura MacPherson	Seats (Total: 20)
	W 1:00pm - 4:00pm	BPS 2114B

PSYC623 **Child Psychopathology**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).

Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

PCC1	Elizabeth Malesa	Seats (Total: 40)
	Meets March 2, 2015 - May 22, 2015	
	Th 6:00pm - 9:20pm	BPS 0283
	Restricted to students in the Clinical Psychological Science Program.	

PSYC625 **Clinical Assessment: Psychometric Principles, Testing and Behavior**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721.

An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

0101	Andres De Los Reyes W 9:00am - 11:30am	Seats (Total: 10) BPS 1238

PSYC629 **Clinical Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Mary Byrne W 10:00am - 12:30pm	Seats (Total: 10) Location: TBA
0201	Aditi Vijay Contact instructor or department for details.	Seats (Total: 10)
0301	Andrea Chronis-Tuscano W 1:00pm - 3:30pm	Seats (Total: 10) Location: TBA

PSYC630 **Behavioral and Cognitive Behavioral Intervention for Adults**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC680. Restriction: Permission of instructor. Credit only granted for: PSYC630 or PSYC728. Formerly: PSYC728.

Introduces students to the process of therapy with particular focus on behavioral focus on behavioral and cognitive behavioral internentions. Syllabus focuses on theory, research, client diversity, ehtics, and practical aspects of conducting therapy.

0101	Jack Blanchard, Laura MacPherson Tu 12:30pm - 3:15pm	Seats (Total: 30) COL 2103K

PCC1	Aditi Vijay	Seats (Total: 40)
	Meets March 2, 2015 - May 22, 2015	
	Tu 6:00pm - 9:20pm	BPS 0283
	Restricted to students in the Clinical Psychology Professional Program.	

PSYC638 **Externship in Professional Psychology; Externship in Professional Psychology**

Credits: 1-3 Grading Method: Sat-Fail

Approved appointment as an extern in a mental health setting.

For PSYC majors only.

0101	Carl Lejuez	Seats (Total: 20)
	Contact instructor or department for details.	
0201	Karen O'Brien	Seats (Total: 20)
	Contact instructor or department for details.	
PCC1	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology; Internship in Professional Psychology**

Credits: 1 Grading Method: Sat-Fail

This seminar combines involvement with a program approved appointment a an intern in a mental setting with a supervisory review of the training experience.

For PSYC majors only.

0101	Carl Lejuez	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC663 **Understanding Torture and Trauma I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.

The focus of this course is to provide students with an introduction to the psychology of torture survivors. Students will discuss theoretical approaches to understanding of torture, think critically about the context of torture, and understand the psychological, social/familial, spiritual, physical, community, and political implications of torture. Interventions for working with torture survivors will be introduced.

PLV1	Sheetal Patel	Seats (Total: 25)
	Meets March 2, 2015 - May 22, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to Students in the VTT Program.	

PSYC678 **Seminar in Psycholinguistics**

Credits: 3 Grading Method: Regular, Audit

Contemporary psycholinguistic theories of language acquisition and use. Phonological, semantic and syntactic aspects of language.

Also offered as HESP818C. Credit granted for PSYC678 or HESP818C.

0101	Robert Slevc	Seats (Total: 20)
	M 2:00pm - 4:30pm	BPS 1234

PSYC690 **Research in Counseling Psychology I**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor. Credit only granted for: PSYC690 or PSYC718. Formerly: PSYC718.

Critical analysis of strategies methodological, conceptual, and content trends.

0101	Jonathan Mohr	Seats (Total: 20)
	W 9:00am - 11:50am	BPS 1234

PSYC691 **Research in Counseling Psychology II**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor. Credit only granted for: PSYC691 or PSYC718. Formerly: PSYC718.

Critical analysis of trends and issues in counseling psychology science

0101	Clara Hill	Seats (Total: 10)
	W 4:00pm - 7:00pm	BPS 2145

PSYC737 **Research Methods in Industrial/Organizational Psychology**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC603; or permission of instructor.

Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

0101	Paul Hanges	Seats (Total: 20)
	Tu 1:00pm - 3:30pm	EDU 0202

PSYC757 Developmental Cognitive Neuroscience

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Psychology (Master's); Psychology (Doctoral); Neurosciences and Cognitive Sciences (Doctoral)) ; or permission of BSOS-Psychology department. Credit only granted for: NACS728D or PSYC757.

Developmental cognitive neuroscience investigates the relations between neural and cognitive development. This course provides an overview of current research questions, methodologies and findings related to neurocognitive development in human infants and children, the role of developmental plasticity, and atypical outcomes, such as those observed in neurodevelopmental disorders.

Also offered as NACS728D.

0101	Tracy Riggins	Seats (Total: 20)
	M 9:30am - 12:00pm	BPS 1234

PSYC778D Seminar in Learning and Memory; Decision Heuristics

Credits: 3

Grading Method: Regular, Audit

An advanced topical seminar covering the areas of human learning and memory. Acquisition processes, storage and retrieval processes, and attention and information processing.

Covers contemporary models and theory within the decision sciences, with a focus on heuristic mechanisms and cognitive models of decision making and inference.

0101	Michael Dougherty	Seats (Total: 10)
	M 9:00am - 11:30am	EGR 1110

PSYC788B Special Research Problems; Ethics in Scientific Research

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Supervised research on problems selected from the areas of experimental, industrial, social, quantitative, or mental health psychology.

Also offered as BIOL600, CHEM648E, and NACS600.

0101	Robert Dooling, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208

PSYC789 **Special Research Problems**

Credits: 1-4

Grading Method: Regular, Audit

Contact department for information to register for this course.

PSYC798T **Graduate Seminar; Intermediate Functional Magnetic Resonance Imaging**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC309N or permission of instructor.

0101	Luiz Pessoa TuTh 11:00am - 12:15pm	Seats (Total: 20) BPS 1228

PSYC799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A **Research Methods in Psychology; Reserach Methods in Psychology: Development Seminar**

Credits: 1-3

Grading Method: Regular, Audit

0101	Jonathan Beier Contact instructor or department for details.	Seats (Total: 15)

PSYC888B **Research Methods in Psychology; Cross Culturism**

Credits: 1-3

Grading Method: Regular, Audit

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology**

Credits: 1-3 Grading Method: Regular, Audit

0101	Tracy Tomlinson	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888D **Research Methods in Psychology; Developmental Psychopathology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact deparment for information to register for this course.

0101	Lea Dougherty	Seats (Total: 10)
	TBA	BPS 3140

PSYC888E **Research Methods in Psychology; Selection and Diversity**

Credits: 1-3 Grading Method: Regular, Audit

0101	Paul Hanges	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC889 **Research Methods in Psychology**

Credits: 1-3 Grading Method: Regular, Audit

0201	Robert Slevc	Seats (Total: 10)
	Tu 2:00pm - 2:50pm	BPS 1234

PSYC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular, Sat-Fail

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Spring 2015

PUAF201 **Leadership for the Common Good**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: IE

General Education: DSHS, DSSP, SCIS

This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	Ricco Hall	Seats (Total: 45)
	Tu 6:00pm - 8:30pm	TYD 1101

PUAF215 **Innovation and Social Change: Creating Change for Good**

(Perm req)

Credits: 3

Grading Method: Regular

General Education: DSSP

A team-based, highly interactive and dynamic course that provides an opportunity for students to generate solutions to a wide range of problems facing many communities today. Students in the iGIVE Program will deepen their understanding of entrepreneurship and innovation practices by creating and implementing projects or ventures that address an issue of their choosing while learning topics such as communications, project management, teamwork, leadership, fundraising, project sustainability and next steps in social change.

Restricted to member of the iGive Living Learning Program.

0101	Instructor: TBA	Seats (Total: 55)
	TuTh 2:00pm - 3:15pm	EAS 0102
	Restricted to students in the iGive Carillon Community program.	

PUAF288P **Special Topics in Public Policy; Introduction to Public Policy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An exploration of the interdisciplinary field of Public Policy which provides a broad understanding of the policy making process, and the tools for analyzing and managing successful policies.

There will be four optional visits on Friday afternoons to external institutions involved in the practice of public policy. There is much more to public policy than who wins and who loses. This course will provide a broad understanding of the policy making process, and the tools for analyzing and managing successful policies and briefly considers various policy arenas, including education policy, and economic/fiscal policy.

0101	Philip Joyce	Seats (Total: 40)
	TuTh 12:00pm - 1:15pm	VMH 1207

PUAF301 **Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: AGNR301. Credit only granted for: AGNR301 or PUAF301.

Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Daria Karetnikov	Seats (Total: 100)
	M 3:30pm - 4:45pm	CHM 1402
	W 3:30pm - 4:45pm	HJP 0226

PUAF302 **Leadership: Philosophy, Policy and Praxis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	Nina Harris	Seats (Total: 30)
	W 4:15pm - 6:45pm	TLF 1126

PUAF311 **Women in Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PUAF311 or PUAF359W. Formerly: PUAF359W.

Examines the role of women in the leadership process including the participation of women as activists, voters, advocates, public leaders and as agents of change through various avenues including, among others, public service (elected and appointed), the media, community service, political organizations, and the nonprofit sector.

0101	Anne Kaiser	Seats (Total: 25)
	Tu 4:15pm - 6:45pm	TLF 1126

PUAF312 **Leading to Get Results**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PUAF312 or PUAF359J. Formerly: PUAF359J.

Students will have an opportunity to learn and use results-based leadership competencies to take actions that will make a measurable difference in an issue affecting the student and/or university community.

0101	Janay Queen	Seats (Total: 30)
	M 4:15pm - 6:45pm	TLF 1126

PUAF313 **Advocacy in the American Political System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PUAF313 or PUAF359C. Formerly: PUAF359C.

Introduces students to the creation of law through the legislative process with a special focus on the Maryland General Assembly.

0101	Gerard Evans	Seats (Total: 148)
	M 1:30pm - 4:00pm	SKN 0200

PUAF349 **Internship in Political Institutions: State and Local**

(Perm req)

Credits: 3-6 Grading Method: Regular

Offers students supervised internship placements in state and local political or public policy organizations.

0101	Christopher Perez	Seats (Total: 30)
	Contact instructor or department for details.	

PUAF359I **Contemporary Issues in Political Leadership and Participation; The Art and Science of Philanthropy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Special topics in political leadership and participation.

0101	Jennifer Littlefield	Seats (Total: 40)
	Th 2:00pm - 4:30pm	TLF 1126
	Restricted to students in the College Park Scholars Public Leadership.	

PUAF386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular

Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.

0101	Nina Harris	Seats (Total: 15)
	Contact instructor or department for details.	

PUAF388D **Special Topics in Public Policy; Innovation and Social Change: Do Good Now**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

0301	Jennifer Littlefield	Seats (Total: 35)
	Tu 2:00pm - 4:30pm	ARM 0119

PUAF388G **Special Topics in Public Policy; Global Perspectives on Leading and Investing in Social Change**

Credits: 3 | Grading Method: Regular

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Poverty, climate change, gender equity, human trafficking, refugee and humanitarian emergencies, public health crises... how do we tackle the world's most pressing issues? Non-governmental organizations (NGOs) are working across borders and in the most desperate circumstances to alleviate suffering and solve problems. This course will discuss the role of NGOs both here and abroad while analyzing the trends and issues related to giving and fundraising for international issues.

0101	Instructor: TBA	Seats (Total: 30)
	Th 11:00am - 1:30pm	TLF 1126

PUAF388T **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF396 **Fellowship Program in Political Leadership**

(Perm req)

Credits: 2-6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of PUAF-School of Public Policy. Restriction: Must be enrolled in the full-time fellowship program.

Individual instruction course.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF610 **Quantitative Aspects of Public Policy**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Seth Weissman	Seats (Total: 25)	
	Tu 7:00pm - 9:30pm	VMH 1207	
	Tu 4:15pm - 6:45pm	VMH 1207	Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman	Seats (Total: 20)	
	W 7:00pm - 9:30pm	VMH 1203	
	M 7:00pm - 9:30pm	PKT 1224	Discussion

PUAF620 **Political Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Paul Manuel	Seats (Total: 29)	
	M 7:00pm - 9:30pm	VMH 1101	

PUAF640 **Microeconomic and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse	Seats (Total: 29)	
	M 4:00pm - 6:40pm	JMP 2216	
	F 9:15am - 11:45am	PKT 1221	Discussion

PUAF641 **Macroeconomics and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie W 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 PKT 1221	Discussion
0201	William Helkie Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 VMH 1107	Discussion

PUAF650 **Moral Dimensions of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Thomas Hilde Th 1:30pm - 4:00pm	Seats (Total: 22) VMH 1203	
0301	Thomas Hilde W 9:15am - 11:45am	Seats (Total: 22) VMH 1207	

PUAF670 **Public Budgeting & Financial Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Covers how governments raise, spend, borrow, and manage public funds. Reviews federal,state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance.

0101	Travis St Clair M 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 25) VMH 1207 PKT 1221	 Discussion
0301	Philip Joyce W 4:00pm - 6:40pm F 1:30pm - 4:00pm	Seats (Total: 25) JMP 2216 PKT 1221	 Discussion

PUAF671 **Public Sector Finance**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

The goal of this course is to provide a useful overview of basic public sector financial management principles in a simulated managerial situation to midcareer students currently working in government and nonprofit organizations.

Contact department for information to register for this course.

PUAF688A **Topics in Public Policy; Comparative Political Institutions**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

0101	Miguel Gonzalez-Marcos Tu 1:30pm - 4:00pm	Seats (Total: 20) PKT 1221	

PUAF688C **Topics in Public Policy; Cyberspace: Legal and Policy Implications**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

0101	William Nolte	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1107

PUAF688F **Topics in Public Policy; State, Local & Non-Profit Financial Management**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Restricted to PUAF majors or permission of instructor.

0101	Travis St Clair	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1203

PUAF688K **Topics in Public Policy; Politics of Technology and Innovation Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

PUAF major or permission of instructor.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1101

PUAF689B **Public Policy Topics; Advanced Microeconomics & Policy**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

0101	Jerome Dugan	Seats (Total: 20)
	M 9:15am - 11:45am	VMH 1203

PUAF689D **Public Policy Topics; Social Entrepreneurship**

Credits: 3 Grading Method: Regular

Special Topics in Public Policy.

DC06	James Sanders **Meets March 21, 2015 - May 16, 2015** Sa 1:40pm - 5:50pm Contact instructor or department for details.	Seats (Total: 20) DC C2

PUAF689E **Public Policy Topics; Program Evaluation and Cost-Benefit Analysis**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

0101	Douglas Call, Douglas Besharov, Peter Germanis Th 7:00pm - 10:00pm *For students in Social, Health, and Education specializations.*	Seats (Total: 45) VMH 1212
0201	Douglas Call, Peter Germanis, Douglas Besharov Th 7:00pm - 10:00pm *For students in International Development specializations.*	Seats (Total: 45) VMH 1212
0301	Douglas Call, Peter Germanis, Douglas Besharov Th 7:00pm - 10:00pm *For students not in the Social, Health, Education, or International Development specializations.*	Seats (Total: 25) VMH 1212

PUAF689F **Public Policy Topics; Current Issues in Federal Acquisition**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Also offered as BUSI758P and ENSE698F.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203

PUAF689N **Public Policy Topics; U.S./China Social Policy**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Contact department for information to register for this course.

PUAF689P **Public Policy Topics; Strategic Philanthropy**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

0101	Robert Grimm	Seats (Total: 20)
	W 7:00pm - 9:30pm	VMH 1107

PUAF689V **Public Policy Topics; Forecasting & Analyzing Political Violence**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

0101	Kevin Jones	Seats (Total: 25)
	W 1:30pm - 4:00pm	VMH 1207

PUAF689X **Public Policy Topics; Performance Management**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

Contact department for information to register for this course.

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

0101	William Nolte	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 1101

PUAF698E **Selected Topics in Public Affairs; Proseminar in Normative Public Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

0101	David Crocker	Seats (Total: 20)
	Tu 7:00pm - 9:30pm	VMH 1101

PUAF698F **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Also offered as CCJS720.

Contact department for information to register for this course.

PUAF698K **Selected Topics in Public Affairs; Complex Policy Analysis Workshop**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

0101	Robert Nelson	Seats (Total: 8)
	Tu 9:15am - 11:45am	VMH 1203

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698P **Selected Topics in Public Affairs; Information Policy & Technology**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

For PUAF Majors or permission of instructor.

Contact department for information to register for this course.

PUAF698R **Selected Topics in Public Affairs; Developmental Challenges**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

0101	Mario Picon	Seats (Total: 25)
	Tu 7:00pm - 9:30pm	VMH 1203

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Leaderships in Groups and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organization**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699K **Selected Topics Public Policy; Civil Conflict and Terrorism**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

0101	John Steinbruner	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	VMH 1107

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699M **Selected Topics Public Policy; Acquisitions in National Security**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking for Analysts**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**

Credits: 3

Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699Y **Selected Topics Public Policy; Globalization, Business and Development**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

PUAF major or permission of instructor.

0101	Susan Schwab, William Reinsch Th 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF711 **Public Management and Leadership**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Instructor: TBA M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203
0201	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1207
0301	Elizabeth Duke Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207

PUAF717 **Federal Budgeting: Policy and Process**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

0101	Samuel McCann M 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107

PUAF720 **International Security Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF724 **Problems of Global Security**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698W.

Explores the international security implications of globalization, presenting evidence indicating that altered circumstances will eventually induce a major redesign of prevailing security arrangements. Includes three segments: 1) a review of the principal problems that have been the focus of established security policy and would be the context for any major adjustment of policy; 2) an assessment of relationships with the major countries where traditional problems are most acutely present; and 3) a review of the organizing principles that can be expected to emerge in the new situation.

Contact department for information to register for this course.

PUAF732 **Policy and Politics of Education Reform**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Examines education reform in its historical, fiscal, cultural, and lega contexts, and the changing relationship between education and economic opportunity. Focuses on institutional and normative issues, including national standards, public school choice, charter schools, vouchers and funding equity.

0101	Tirza Wilbon White	Seats (Total: 24)
	W 4:15pm - 7:00pm	EDU 3236

PUAF734 **Foundations of Social Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy.

Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Instructor: TBA	Seats (Total: 20)
	Th 1:30pm - 4:00pm	VMH 1107

PUAF737 **Strategies of Equality**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698Y.

Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challanges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.

0101	Christopher Foreman	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1203

PUAF740 **Public Policy and the Environment**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

0101	Robert Nelson W 4:15pm - 6:45pm	Seats (Total: 18) VMH 1107
0201	Robert Nelson Th 9:15am - 11:45am	Seats (Total: 18) VMH 1101

PUAF745 **Human Health and Environmental Policy**

Credits: 3 Grading Method: Regular, Audit

Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

Contact department for information to register for this course.

PUAF753 **Advanced Negotiations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PUAF752. Credit only granted for: PUAF698C or PUAF753. Formerly: PUAF698C.

Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0201	Jonas Siegel	Seats (Total: 20)	
	M 1:30pm - 4:00pm	VMH 1107	

PUAF781 **International Economic Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Phillip Swagel	Seats (Total: 28)	
	W 9:15am - 11:45am	VMH 1203	
	M 4:15pm - 6:45pm	VMH 1207	Discussion

PUAF782 **International Development Economics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF698U or PUAF782. Formerly: PUAF698U.

Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Michael Busse M 7:00pm - 9:30pm	Seats (Total: 42) VMH 1207

PUAF783 **Development and Foreign Aid**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698Q.

Examines the empirical, conceptual, and ethical dimensions of international development policies and U.S. foreign aid. What is the present character of development in poor countries/regions? How should development be conceived? What development strategies are best? What is and should be the purpose of U.S. foreign aide and development assistance?

0101	David Crocker W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF784 **Disease, Disaster, and Development**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF699D or PUAF784. Formerly: PUAF699D.

Studies development, the process by which needy people in fragile societies become self-sufficient people in resilient societies, in relation to disease and disaster, with particular attention to the developed world's response.

0101	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF790 **Project Course**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

For students taking evaluation-based IDEV project course.

0101	Charles Short, J Mihm F 10:00am - 12:30pm *For students in Management & Leadership and Public Sector Financial Management specializations.*	Seats (Total: 15) VMH 1207
0111	Charles Short, J Mihm F 10:00am - 12:30pm *For students in Non-Profit Management specialization.*	Seats (Total: 15) VMH 1207
0201	Douglas Besharov, Douglas Call M 1:30pm - 4:00pm Contact instructor or department for details. *For students in one of the Social Policy specializations with a federal-oriented project.*	Seats (Total: 16) VMH 1203
0211	Douglas Besharov, Douglas Call M 1:30pm - 4:00pm Contact instructor or department for details. *For students in one of the Social Policy specializations with a non-federal-oriented project.*	Seats (Total: 11) VMH 1101
0301	Robert Nelson Tu 9:15am - 11:45am *For students in Environmental or Energy specializations.*	Seats (Total: 20) VMH 1203
0401	I M Mac Destler, Kevin Jones M 9:15am - 11:45am Contact instructor or department for details. *For students in ISEP specialization.*	Seats (Total: 12) VMH 1207
0411	I M Mac Destler, Kevin Jones M 9:15am - 11:45am *For students in ISEP specialization.*	Seats (Total: 16) VMH 1207
0501	David Crocker M 9:15am - 11:45am *For students taking traditional IDEV project course.*	Seats (Total: 22) VMH 1107

0511	Douglas Besharov, Douglas Call	Seats (Total: 10)
	M 1:30pm - 4:00pm Contact instructor or department for details.	VMH 2101F
	For students not in one of the Social Policy specializations.	

PUAF798A **Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798G **Readings in Public Policy; Health Economics and Analysis**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

PUAF majors or permission of instructor.

0101	Jerome Dugan	Seats (Total: 25)
	Tu 9:15am - 11:45am	VMH 1101

PUAF798L **Readings in Public Policy; Environmental Law and Finance**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798O **Readings in Public Policy; Energy Security**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Must be in a major in PUAF-School of Public Policy or permission of the instructor.

0101	Instructor: TBA	Seats (Total: 20)
	W 9:15am - 11:45am	VMH 1107

PUAF798R **Readings in Public Policy; Quantitative Research Methods and Public Policy**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Prerequisite: Public Policy PhD student or permission of instructor. Offered at The Brookings Institution, 1775 Massachusetts Ave, NW, Washington, DC, near the Dupont Metro station.

0101	Carol Graham	Seats (Total: 20)
	W 5:30pm - 8:00pm	Location: TBA

PUAF798T **Readings in Public Policy; Sustainable Development, Democracy and Human Rights in Peru**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798W **Readings in Public Policy; Climate Change Adaptation and Security**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

PUAF major or permission of instructor.

0101	Anand Patwardhan	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1101

PUAF798X **Readings in Public Policy**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798Y **Readings in Public Policy; Non-Profit Management**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

0101	Instructor: TBA	Seats (Total: 22)
	Th 4:15pm - 6:45pm	VMH 1207

PUAF898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.

RDEV Real Estate Development Spring 2015

RDEV630 **Fundamentals of Real Estate Development and Finance**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B.

An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Thomas Dwyer	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV650 or RDEV688C. Formerly: RDEV688C.

Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Matthew O'Malley M 7:00pm - 9:40pm	Seats (Total: 28) ARC 1101

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics in real estate development.

Prerequisite: Permission of department.

0101	Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics in real estate development.

Prerequisite: permission of the department.

0101	Mary Konsoulis W 7:00pm - 9:40pm	Seats (Total: 20) Location: TBA

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics in real estate development.

Prerequisite: permission of department.

0101	Timothy Pula Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1121
0102	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1119

0103	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125
0104	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127
0105	Margaret McFarland, Abraham Rosenthal M 7:00pm - 9:40pm	Seats (Total: 10) ARC 1123
0106	Douglas Lashley Tu 7:00pm - 9:40pm	Seats (Total: 10) Location: TBA

RDEV688V **Selected Topics in Real Estate Development; Valuation and Appraisal**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics in real estate development.

0101	Instructor: TBA F 6:30pm - 9:15pm	Seats (Total: 24) ARC 1103

RDEV689B **Current Topics in Real Estate Development; Financing and Investing with Historic, Low-Income and New Market Tax Credits**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: permission of department; must have completed one of the following: URSP664, RDEV688B, or RDEV630. Preferable to have completed RDEV688F.

0101	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 18) ARC 1105

RDEV689C **Current Topics in Real Estate Development; Introduction to Practice and Process**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: permission of department.

0101	Germano Gomez, Margaret McFarland W 7:00pm - 8:40pm	Seats (Total: 30) ARC 1101

RDEV689I **Current Topics in Real Estate Development; Design and Development Competition**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department.

0101	Ronald McDonald Th 7:00pm - 9:40pm	Seats (Total: 14) ARC 1121

RDEV689K **Current Topics in Real Estate Development; . International Development**

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department.

0101	Andrew Roud W 7:00pm - 9:40pm	Seats (Total: 20) ARC 1103

RDEV689R **Current Topics in Real Estate Development; Retail Real Estate Development and Asset Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department.

0101	Instructor: TBA M 7:00pm - 9:40pm	Seats (Total: 15) ARC 1127

RDEV689V **Current Topics in Real Estate Development; Introduction to Real Estate Finance Basics**

Credits: 1 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department.

0101	Germano Gomez W 8:40pm - 9:40pm	Seats (Total: 15) ARC 0111

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department.

0101	Margaret McFarland W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

RELS Religious Studies Spring 2015

RELS170 **Greek and Roman Mythology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Also offered as: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

An introduction to the mythology of ancient Greece and Rome. This cours is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Gregory Staley MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 MTH 0104	Discussion
0102	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion

0103	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0409	Discussion
0104	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion
0105	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 MTH 0304	Discussion
0201	Gregory Staley MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0201	Discussion
0202	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 MTH 0201	Discussion
0203	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0409	Discussion
0204	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0102	Discussion
0205	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 MTH 0106	Discussion
0206	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 MTH 0409	Discussion
0207	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 MTH 0401	Discussion

RELS219A **Special Topics in Religious Studies; Religions of the Ancient Near East**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics in Religious Studies

Also offered as JWST225 and HIST219I. Credit granted for: JWST225, RELS219A, or HIST219I. Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

0101	Matthew Suriano TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1105

RELS219Q **Special Topics in Religious Studies; Dead Sea Scrolls**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DSHU

Special topics in Religious Studies

Also offered as JWST219Q. Credit granted for JWST219Q or RELS219Q. The popular media imagine the Dead Sea Scrolls as the source of hidden secrets and mysterious truths, but the scrolls themselves tell us more about the origins of Judaism and Christianity, and the world of the Bible at the time of Jesus and John the Baptist. Ancient texts, archaeology, and scholarly approaches to the biblical tradition and the sectarian scrolls.

0101	Maxine Grossman MW 2:00pm - 3:15pm	Seats (Total: 40) SQH 1121

RELS269B **Special Topics in Study Abroad II; Buddhism and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS289I **What is Religion?**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHU, DVCC, SCIS

Draws upon examples from a wide variety of religious traditions to explore the question of what religion is and how to best understand it. Engagement with diverse approaches to religion including phenomenology and the study of "the sacred"; sociology and the study of religious communities; and questions of religious experience, ritual, and identity formation.

0101	Thu Khuc MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2309 SQH 1103	Discussion
0102	Thu Khuc MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2309 SQH 1103	Discussion
0103	Thu Khuc MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2309 SQH 1103	Discussion

RELS289M **Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHU, DVUP, SCIS

Also offered as HIST289T. Credit granted for RELS289M or HIST289T.

0101	Hayim Lapin TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 EDU 0206	Discussion
0102	Hayim Lapin TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 EDU 1315	Discussion
0103	Hayim Lapin TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 EDU 0202	Discussion

RELS319N **Special Topics in Religious Studies; Introduction to Native American Cultures of the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics in the study of religious history, literature, culture, and thought.

Also offered as AMST328N and ANTH468F. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

RELS369C **Special Topics in Study Abroad III; Between Tolerance and Conflict**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS369L **Special Topics in Study Abroad III; Society and Religion in Latin America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS369Z **Special Topics in Study Abroad III; All Roads Lead to Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS419B **Advanced Topics in Religious Studies; Indigenous Thought in the Americas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The contemporary study of religion in which topics may address specific religious traditions, regional or historical developments, or methodological and theoretical issues.

Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as RELS419B. Credit granted for AMST498K or RELS419B.

0101	James Maffie	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1107

RELS419T **Advanced Topics in Religious Studies; Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The contemporary study of religion in which topics may address specific religious traditions, regional or historical developments, or methodological and theoretical issues.

Also offered as HIST429T. Credit granted for HIST429T or RELS419T.

0101	Miles Bradbury	Seats (Total: 30)
	MW 2:00pm - 3:15pm	KEY 0121

RELS499 **Independent Study in Religious Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An advanced independent research project for qualified students, supervised by a faculty member, on a topic not ordinarily covered in available courses.

Contact department for information to register for this course.

RUSS Russian Spring 2015

RUSS102 **Intensive Elementary Russian II**

Credits: 6 Grading Method: Regular

Prerequisite: RUSS101 or RUSS102; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS102 or (RUSS113 and RUSS114).

A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

0101	Inna Hardman	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3118
	TuTh 9:30am - 10:45am	JMZ 2122

0201	Inna Hardman MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3118 JMZ 2122

RUSS202 **Intermediate Russian II**

Credits: 5 Grading Method: Regular CORE: HO

Prerequisite: RUSS201; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian.

Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

0101	Zhanna Gerus-Vernola MTuWThF 10:00am - 10:50am	Seats (Total: 15) JMZ 2125

RUSS221 **Masterworks of Russian Literature I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU

Introduction to the classics of Russian literature in translation, beginning with Pushkin in the early 19th century and concluding with works of Dostoevsky and Tolstoy in the latter part of the century. Taught in English.

0101	Marianna Landa MWF 12:00pm - 12:50pm	Seats (Total: 30) JMZ 3205

RUSS302 **Advanced Russian II**

Credits: 3 Grading Method: Regular

Prerequisite: RUSS301.

Advanced training in written Russian communicative structures.

0101	Cynthia Martin TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2125

RUSS336 **Soviet Cinema and Empire**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Also offered as: FILM336. Credit only granted for: RUSS336, FILM336, or RUSS398K. Formerly: RUSS398K.

Examination of the concepts of "empire" and "nation" through their representation in Soviet cinema. Taught in English.

0101	Elizabeth Papazian	Seats (Total: 30)
	M 2:00pm - 3:15pm	HBK 0302H
	W 2:00pm - 6:00pm	HBK 0302H

RUSS382 **Russian Civilization (in Russian) II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RUSS202.

A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet, and the theater, from the beginning of the 19th century to the present pointing out the interrelationships of all with literary movements. Taught in Russian.

0101	Cynthia Martin	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 2117

RUSS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS402 **Practicum in Written Russian**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RUSS401; or students who have taken courses with comparable content may contact the department.

Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 3118

RUSS439L **Selected Topics in Russian Literature; The Silver Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation of a topic in Russian literature.

Exploration of the artistic movements of the Silver Age (1890-1920s), its literature and philosophy, which profoundly influenced Russian History, national identity, and art of the twentieth and twenty-first century. Close readings of literary texts are combined with creative writing exercises modeled on various Modernist experiments. Taught in Russian.

0101	Marianna Landa	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1215

RUSS499 **Independent Study in Russian**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact department for information to register for this course.

RUSS499C **Independent Study in Russian; Majors' Colloquium**

Credits: 1 Grading Method: Regular

Independent study under faculty supervision.

For Russian majors in Russian 302 or above and Language House residents working toward the LH notation. Non-heritage students only. Taught in Russian.

0101	Zhanna Gerus-Vernola	Seats (Total: 10)
	M 12:00pm - 12:50pm	JMZ 2125

RUSS798 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

RUSS799 **Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Spring 2015

SLAA410 **Second Language Acquisition: Theory, research, and practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: LING200, LING240, PSYC200, PSYC221, or PSYC354.

Introduces vibrant and expanding branch of language science and cognitive science: theory, research and practice in SLA. Students apply what they learn to practical issues ranging from learning languages as an adult to societal problems involving second languages and dialects.

0101	Michael Long	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2206

SLAA498 **Second Language Research and Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular

Individualized research and practicum for undergraduate students to work as Undergraduate Research Assistants (UGRA) on existing projects under the supervision of a PhD Graduate Supervisor (GS) in the area of second language acquisition to learn/experience how second language as well as psycholinguistic research is conducted.

Open to all students interested in gaining research experience in area of second language acquisition. Contact istojano@umd.edu for details.

0101	Ilina Stojanovska	Seats (Total: 10)
	Contact instructor or department for details.	

SLAA620 **Second Language Research Methodologies**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SLAA610; and must have completed or be concurrently enrolled in SLAA611.

An exploration of research methodology in second language acquisition (SLA), with a focus on developing practical skills in data analysis and interpretation. Preparation in both critical evaluation of existing research and design of new research models.

0101	Steven Ross F 2:00pm - 4:30pm	Seats (Total: 15) JMZ 2117

SLAA640 **Psycholinguistics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SLAA610; or permission of ARHU-School of Languages, Literatures, and Cultures department.

An introduction to the field of psycholinguistics that covers speech perception, word recognition, sentence and discourse processing, speech production, and language acquisition. Basic concepts, research methods, major research topics, leading theories and related research findings, with implications of psycholinguistic theories and findings for second language studies.

0101	Nan Jiang Th 2:00pm - 4:30pm	Seats (Total: 10) JMZ 1117

SLAA719 **Second Language Acquisition and Application Internship**

Credits: 3 Grading Method: Regular, Audit

Internship at a site to be determined. Topics may include heritage language learning, immersion education, testing and assessment, translation and interpretation, and national language planning and policy.

Contact department for information to register for this course.

SLAA749I **Special Topics in Second Language Learning; Individual Differences**

Credits: 3 Grading Method: Regular, Audit

Current topics in research on Second Language Learning.

0101	Robert De Keyser W 4:00pm - 6:30pm	Seats (Total: 10) JMZ 0205

SLAA754 **Task-Based Language Teaching**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: SLAA649T or SLAA754. Formerly: SLAA649T.

Overview of Task-Based Language Teaching (TBLT) including needs and means analysis, syllabus design, materials writing, methodology and pedagogy, testing, and evaluation. Theoretical issues addressed include relationship of TBLT to research findings on the psychology of learning and SLA and libertarian approaches to education.

0101	Michael Long	Seats (Total: 10)
	M 4:00pm - 6:30pm	JMZ 0205

SLAA779 **Directed Research in Second Language Acquisition and Application**

Credits: 1-3 Grading Method: Regular, Audit

Directed independent research in Second Language Acquisition or Application. In this capstone project, students engage in independent research under faculty direction.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Individual instruction course.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course.

0101	Nan Jiang	Seats (Total: 15)
	Th 5:00pm - 7:30pm	JMZ 1117

SLAA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Spring 2015

SLLC109V **Beg Less Commonly Taught Language II; Vietnamese II**

Credits: 4 Grading Method: Regular

Study of any of the less commonly taught languages at the elementary level, as a continuation of SLLC108 (in the same language). Speaking, listening, reading, and writing a less commonly taught language. Development of an emphasis on oral proficiency skills.

Prerequisite: SLLC108V. The second semester of 1st year Vietnamese is a CIC CourseShare online course. As you know, the instructor is at Michigan State University, but you enroll and receive credit for it at the University of Maryland. You will also need to be entered into the Michigan State University course management system Desire to Learn (D2L). Please address any questions to the MSU course coordinator: Danielle Steider, steider@msu.edu, 517-355-5105. Please note that no new materials are required; you will use the same textbook. Also, remember that although this is an online course, it is NOT self-paced. There are weekly assignments and virtual meetings (several options will be available to match your schedules.)

0101	Instructor: TBA	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC299G **Special Topics in World Cultures; Geo-textualities in Contemporary Latin American Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Topic to be announced when course is offered.

Also offered as SLLC299G and SPAN228L. Credit granted for PORT228L, SPAN228L, or SLLC299G. Exploration of global connections articulated within Latin American novels and short stories as they expand their geo-cultural context and respond to issues such as globalization, cosmopolitanism, border-crossing, multiculturalism, and questions of cultural identity. Taught in English.

0101	Instructor: TBA	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 3205

SLLC299R **Special Topics in World Cultures; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC309 **Language Partner Program**

(Perm req)

Credits: 1 Grading Method: Regular

For intermediate- to advanced-level language study. Conversations entirely in target language with native speaker.

Meets on the following dates: February 16 and May 4.

0101	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *Arabic*	Seats (Total: 10) Location: TBA
0102	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *Chinese*	Seats (Total: 10) Location: TBA
0103	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *French*	Seats (Total: 10) Location: TBA
0104	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *German*	Seats (Total: 10) Location: TBA
0105	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *Italian*	Seats (Total: 10) Location: TBA
0106	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *Japanese*	Seats (Total: 10) Location: TBA
0109	Mary Scullen **Meets February 16, 2015 - May 4, 2015** M 4:00pm - 6:00pm Contact instructor or department for details. *Russian*	Seats (Total: 10) Location: TBA

0110	Mary Scullen	Seats (Total: 10)
	Meets February 16, 2015 - May 4, 2015	
	M 4:00pm - 6:00pm Contact instructor or department for details.	Location: TBA
	Spanish	

SLLC368C **Special Topics in Film Studies I; Capturing the Present: The Geopolitics of Contemporary Storytelling**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

Also offered as FILM319C. Credit granted for FILM319C or SLLC368C.

0101	Mauro Resmini	Seats (Total: 30)
	TuTh 9:30am - 10:45am	HBK 0302H

SLLC369D **Special Topics in Study Abroad III; Art and Dictatorship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC369E **Special Topics in Study Abroad III; Experiments in Czech Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC386 **Experiential Learning**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

SLLC468B **Special Topics in Film Studies II; The Cinema of Sergei Eisenstein**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives. Courses at the 400-level have higher expectations of independent work, including reading and written assignments.

Also offered as FILM469B. Credit granted for SLLC468B or FILM469B.

0101	Luka Arsenjuk	Seats (Total: 20)
	MW 12:00pm - 1:50pm	HBK 0302H

SLLC698L **Special Topics in Interdisciplinary Studies; Orientations in Film Theory: Feminist Film and Media Theory**

Credits: 1 Grading Method: Regular, Audit

Cross-departmental or cross-programmatic study within the School of Languages, Literatures, and Cultures. Topic to be announced when course is offered.

Also offered as CMLT788L. Credit granted for SLLC698L or CMLT788L.

0101	Hester Baer	Seats (Total: 10)
	Meets February 6, 2015 - April 17, 2015	
	F 2:00pm - 4:00pm	HBK 0302H
	Meets on the following dates: Feb. 6, Feb. 20, Mar. 6, Apr. 10, and Apr. 17.	

SLLC789 **Master's Independent Study**

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

SOCY Sociology Spring 2015

SOCY100 **Introduction to Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101	Shengwei Sun TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 1213	
0201	Robert Pernick MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3203	
0401	Robert Pernick MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309	
0501	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3215	 Discussion
0502	Lester Andrist MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 2101	 Discussion
0503	Lester Andrist MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 ASY 3211	 Discussion
0504	Lester Andrist MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 2101	 Discussion
0505	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3211	 Discussion
0506	Lester Andrist MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 21) ASY 2203 ASY 3211	 Discussion
0507	Lester Andrist MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3221	 Discussion

0508	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3207	Discussion
0509	Lester Andrist MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0601	Lester Andrist MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213	

SOCY105 **Introduction to Contemporary Social Problems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Alicia Lee TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 2309	
0201	Kathleen Denny MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3207	
0501	Zsuzsa Daczo MWF 10:00am - 10:50am	Seats (Total: 0) ASY 3203	
0601	Zsuzsa Daczo MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213	
0701	Daniel Swann MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309	
0801	Jonathan Cox TuTh 9:30am - 10:45am	Seats (Total: 80) ASY 1213	

SOCY105H **Introduction to Contemporary Social Problems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Jessica Pena TuTh 9:30am - 10:45am	Seats (Total: 25) ASY 3221	

SOCY125 **Why does Educational Inequality in the U.S. Persist?Explaining Differences in Educational Attainment**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Explores questions related to educational inequality in the US. Examines what variables other than individual ability and effort influence educational attainment - how well and how far we go in school.

0101	Linda Moghadam MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 20) ASY 1213 ASY 3219	Discussion
0102	Linda Moghadam MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 1213 ASY 3219	Discussion
0103	Linda Moghadam MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3219	Discussion
0104	Linda Moghadam MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 1213 ASY 3221	Discussion

SOCY200 **Human Societies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, SCIS

Restriction: Must not have completed SOCY100; and must not be currently enrolled in SOCY100. Credit only granted for: SOCY100 or SOCY200.

A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

0101	Instructor: TBA TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 0206	Discussion
0102	Instructor: TBA TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0103	Instructor: TBA TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0104	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0105	Instructor: TBA TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0106	Instructor: TBA TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion

SOCY201 **Introductory Statistics for Sociology**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: SOCY100 and MATH111; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Instructor: TBA TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 20) ASY 2309 LEF 0221	Lab

0102	Instructor: TBA TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 LEF 0221	Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm M 10:00am - 11:50am	Seats (Total: 20) ASY 2309 LEF 0221	Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 LEF 0221	Lab

SOCY202 **Introduction to Research Methods in Sociology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: SOCY201.

The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Christina Prell TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 20) ASY 1213 LEF 0221	Lab
0102	Instructor: TBA TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 20) ASY 1213 LEF 0221	Lab
0103	Christina Prell TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 1213 LEF 0221	Lab
0104	Instructor: TBA TuTh 11:00am - 12:15pm W 2:00pm - 3:50pm	Seats (Total: 20) ASY 1213 LEF 0221	Lab

SOCY203 **Sociological Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY100.

Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.

Required for all SOCY majors.

0201	Roberto Korzeniewicz TuTh 2:00pm - 3:15pm	Seats (Total: 80) ASY 1213

SOCY224 **Why are We Still Talking About Race**

Credits: 3 Grading Method: Regular

Exploration of the major debates and assumptions that construct individual perceptions of what race is and how race matters. Sociological and sub-cultural theories will give students a historical and present day frame with which to view race and ethnic relations in the twenty first century.

0101	Rashawn Ray TuTh 2:00pm - 3:15pm	Seats (Total: 120) ASY 2203

SOCY227 **Introduction to the Study of Deviance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327.

An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	David Strohecker MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Jenelle Clark MW 3:30pm - 4:45pm	Seats (Total: 180) ASY 2203

SOCY241 **Inequality in American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D

The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Scott Albrecht	Seats (Total: 47)
	MWF 11:00am - 11:50am	ASY 3207

SOCY258L **Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture, Identity**

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY305 **Scarcity and Modern Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 3 credits in SOCY courses.

Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3207

SOCY325 **The Sociology of Gender**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D

Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325.

Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Instructor: TBA	Seats (Total: 80)
	TuTh 12:30pm - 1:45pm	ASY 1213

0301	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0601	Carrie Clarady TuTh 8:00am - 9:15am	Seats (Total: 47) ASY 3203

SOCY358E **Special Topics in Study Abroad III; Contemporary European Film: The Individual and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY358F **Special Topics in Study Abroad III; Sociology of Contemporary Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY381 **Honors Independent Research in Sociology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY380. Formerly: SOCY388.

This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY381. Formerly: SOCY389.

Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department; and junior standing or higher.

To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398I **Special Topics in Sociology; Israeli Society: History, Sociology, and Art**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to both sociology majors and non-majors.

Also offered as ISRL349M. Credit granted for ISRL349M or SOCY398I. Israel's cultural history through the lenses of sociology, history, and art. In examining the cultural diversity and multiple identities that characterize Israeli society, the course will provide keys to understand the place of immigration waves that shaped its demographic, social, and political structure.

0101	Pnina Peri	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SQH 1111

SOCY398J **Special Topics in Sociology; Diversity, Education and Nation-building in Israel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to both sociology majors and non-majors.

Since Israel was established in 1948, the education system has played a major role in developing the Israeli identity. We will examine dominant discourses and debates pertaining to Israeli cultural identity, such as the centrality of the Holocaust, security issues, minorities, religious education, role of literature in national narrative, the role of politics in citizenship education and contemporary debates over History education.Also offered as ISRL349J. Credit will only be granted for SOCY398J or ISRL349J.

0101	Pnina Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	SQH 1111

SOCY398L **Special Topics in Sociology; Service Learning**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to both sociology majors and non-majors.

Formerly: SOCY398S.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY399G **Independent Study in Sociology; Social Policy, Social Exclusion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

Contact department for information to register for this course.

SOCY401 **Intermediate Statistics for Sociologists**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY201; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Sociology department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324.

Issues in the use of significance tests in sociology, one and two-way analysis of variance, elements of multiple regression and correlation, techniques for the analysis of nominal and ordinal data.

0101	Alan Neustadtl	Seats (Total: 20)
	Tu 12:30pm - 1:45pm	ASY 3219
	Contact instructor or department for details.	

SOCY410 **Social Demography**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Julie Park	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3203

SOCY411 **Demographic Techniques**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: (SOCY201; or students who have taken courses with comparable content may contact the department); and SOCY410. Or permission of BSOS-Sociology department.

Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ASY 3203

SOCY412 **Family Demography**

Credits: 3

Grading Method: Regular

Prerequisite: 6 credits in SOCY courses. Formerly: SOCY312.

Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Scott Albrecht	Seats (Total: 29)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY424 **Sociology of Race Relations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Also offered as: AAST424. Credit only granted for: AAST424 or SOCY424.

Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

Contact department for information to register for this course.

SOCY431 **Principles of Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	ARC 1101

SOCY441 **Social Stratification and Inequality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.

The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 80)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY448M **Research in Social Psychology; Sociology of Mental Health**

Credits: 3 Grading Method: Regular, Audit

This is the special topics research course in Social Psychology

0101	Kathleen Denny	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ASY 3203

SOCY458Z **Special Topics in Study Abroad IV; Gender and Sexuality in Scandinavia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY465 **The Sociology of War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

0101	Meyer Kestnbaum	Seats (Total: 29)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY467 **Sociology of Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

0101	Linda Moghadam	Seats (Total: 29)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY498 **Selected Topics in Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact department for information to register for this course.

SOCY498I **Selected Topics in Sociology; Researching the Middle-East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

0101	Mansoor Moaddel	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ASY 3215

SOCY498J **Selected Topics in Sociology; Advanced Experimental Group Processes Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact instructor or department for details.

0101	Jeffrey Lucas	Seats (Total: 5)
	Contact instructor or department for details.	

SOCY498K **Selected Topics in Sociology; Youth, Resistance, and Social Control**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact department for information to register for this course.

SOCY498L **Selected Topics in Sociology; Global Social Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact department for information to register for this course.

SOCY498N **Selected Topics in Sociology; Sociology of Violence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 29) ASY 3207

SOCY498O **Selected Topics in Sociology; Group Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

0101	Marek Posard MW 2:00pm - 3:15pm	Seats (Total: 29) ASY 3207

SOCY498P **Selected Topics in Sociology; Sociology of Cities**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact department for information to register for this course.

SOCY498Z **Selected Topics in Sociology; Pratical Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

Contact department for information to register for this course.

SOCY601 **Statistics For Sociological Research I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SOCY201; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY601 and SURV601.

Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used.

0101	Meredith Kleykamp TuTh 2:00pm - 3:15pm	Seats (Total: 20) ASY 1101

SOCY626 **Demography of Aging**

Credits: 3 Grading Method: Regular, Audit

Examines the demographic foundations of population aging, focusing on macro and historical patterns as well as on trends in mortality health and disability. Also examines the relationship between aging and social institutions such as the family, the economy and public policy.

0101	Joan Kahn	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 1117

SOCY632 **Introduction to Qualitative Research Methods**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Sociology (Doctoral) program; and permission of instructor.

An introductory course in qualitative research methods, intended to provide a general overview of the ways sociologists collect qualitative information about social phenomena, focusing on how to collect and anaylyze data that are reliable and applicable to our research questions. We will begin by constructing a research question that will drive our work for the entire semester. You will learn three of the main ways that qualitative data are used in sociological research: analysis of written material, participant observation, and open ended semi-structured interviews.

0101	Dana Fisher	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ASY 1117

SOCY644 **Gender, Work, and Family**

Credits: 3 Grading Method: Regular, Audit

The interrelationships among gender, work, and family in contemporary societies. Major research issues addressed from an interdisciplinary and comparative (international) perspective.

Restricted to sociology graduate students or permission of instructor.

0101	Liana Sayer	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 4111

SOCY645 **Sociology of the Self Concept**

Credits: 3 Grading Method: Regular

Theory and empirical research dealing with the social determination and social consequences of the self-concept. Sociological, psychological, and psychoanalytic approaches to the self.

0101	Rashawn Ray	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 1101

SOCY699 **Special Social Problems**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

SOCY699C **Special Social Problems; Introduction to Computing for Sociologists**

Credits: 1 Grading Method: Regular, Audit

0101	Alan Neustadtl	Seats (Total: 10)
	W 9:00am - 10:50am	LEF 0221

SOCY699E **Special Social Problems; Critical Race Initiative**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Permission of instructor required.

0101	Rashawn Ray	Seats (Total: 5)
	Contact instructor or department for details.	

SOCY699J **Special Social Problems; Group Processes**

Credits: 3 Grading Method: Regular, Audit

0101	Jeffrey Lucas	Seats (Total: 20)
	W 11:00am - 1:30pm	ASY 1117

SOCY699P **Special Social Problems; Proseminar**

Credits: 1 Grading Method: Regular, Audit

0101	Liana Sayer	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699T **Special Social Problems; Teaching Sociology**

Credits: 1 Grading Method: Regular

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 2115

SOCY699V **Special Social Problems; Contexting Sociology**

Credits: 1 Grading Method: Regular

Restricted to Sociology graduate students.

0101	Philip Cohen	Seats (Total: 10)
	Tu 11:00am - 11:50am	ASY 4111

SOCY699X **Special Social Problems; Methodologies of Social Research**

Credits: 3 Grading Method: Regular, Audit

Restricted to sociology graduate students or permission of instructor.

0101	Jeffrey Lucas	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 1101

SOCY709B **Advanced Special Topics in Data Analysis; Categorical Analysis**

Credits: 3 Grading Method: Regular, Audit

An intensive examination of an area of interest in data analysis, including such topics as log linear analysis; discriminant function analysis; canonical correlation; factor analysis; analysis of qualitative data; content analysis; mathematical models.

0101	Feinian Chen	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 1101

SOCY799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take comprehensive examinations in social psychology.

0101	Jeffrey Lucas	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take comprehensive examinations in sociological theory.

0101	Meyer Kestnbaum	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take comprehensive examinations in demography.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take the specialty examination in Gender, Work and Family.

0101	Liana Sayer	Seats (Total: 10)
	Contact instructor or department for details.	
4201	Liana Sayer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take comprehensive examinations in military sociology.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

Credits: 1

Grading Method: Regular, Audit

An advanced research seminar for students preparing to do research or take comprehensive examinations in stratification.

0101	Philip Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Regular

Contact department for information to register for this course.

SPAN Spanish Spring 2015

SPAN103 **Intensive Elementary Spanish**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Daybert Linares	Seats (Total: 25)
	MWF 10:00am - 10:50am	HBK 0108
	Tu 10:00am - 10:50am	HBK 0123

0201	Daybert Linares MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) HBK 0108 HBK 0123
0301	Instructor: TBA MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0118 JMZ 0118
0401	Instructor: TBA MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0118
0501	Instructor: TBA MF 2:00pm - 2:50pm TuW 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123 JMZ 0125

SPAN169L **Special Topics in Study Abroad I; Spanish Language A1**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169M **Special Topics in Study Abroad I; Spanish Language A2**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169P **Special Topics in Study Abroad I; Beginner Spanish II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 2-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 2-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Carla Onate MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 1117 JMZ 3205
0201	Carla Onate MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 0208 JMZ 3205
0301	Carla Onate MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 0120
0401	Mary Hernandez-Gordillo MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0125 JMZ 0103

0501	Carla Onate MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208 JMZ 0120
0601	Mary Hernandez-Gordillo MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0701	Carla Onate MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208 JMZ 0120
0801	Norman Gonzalez MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1120 JMZ 3203
0901	Fabian Faccio MW 2:00pm - 2:50pm ThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0118 JMZ 2122

SPAN204 **Spanish Grammar Review**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0301	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1122
0401	D'Juan Lyons MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122
BL01	Sebastian Bartis MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 25) PLS 1119 ONLINE

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have native or near native knowledge of oral Spanish; and must have no formal education in Spanish.

Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 1122

SPAN207 **Reading and Writing in Spanish**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.

Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0301	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1124
0401	Sarah Dowman MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1124
0501	Kayla Watson MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 3203
0601	Aida Garcia Revuelta MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2120

SPAN228L **Selected Topics in Latin American Literature and Society; Geo-textualities in Contemporary Latin American Fiction**

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSHU

Topics on literature and society in contemporary Latin America. Topics vary. Taught in English.

Also offered as PORT228L and SLLC299G. Credit granted for PORT228L, SPAN228L, or SLLC299G. Exploration of global connections articulated within Latin American novels and short stories as they expand their geo-cultural context and respond to issues such as globalization, cosmopolitanism, border-crossing, multiculturalism, and questions of cultural identity. Taught in English.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 3205

SPAN235 **Issues in Latin American Studies II**

Credits: 3 Grading Method: Regular CORE: HO, D

Also offered as: PORT235, LASC235. Credit only granted for: SPAN235, PORT235, or LASC235.

Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

0101	Reid Gustafson TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0105
0201	Reid Gustafson MW 11:00am - 12:15pm	Seats (Total: 35) KEY 0116

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN269B **Special Topics in Study Abroad II; B1 Intermediate Level Spanish II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intensive Intermediate Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPAN207.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0401	Chila Hidalgo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0125
0501	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2120
0601	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1122
0701	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0120
BL02	Ana Acedo Garcia MWF 10:00am - 10:50am Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 20) JMZ 2120 ONLINE
BL03	Ana Acedo Garcia MWF 11:00am - 11:50am Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 20) JMZ 2120 ONLINE

SPAN302 **Advanced Grammar and Composition II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0301	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0120
BL02	Fabian Faccio MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 2206 ONLINE

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: SPAN207; or permission of instructor.

Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Laura Quijano MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0122
0201	Laura Quijano MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0122
0301	Laura Quijano MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0122
0401	Luis Charry MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1124
0501	Melissa Gonzalez-Contreras MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 3205
0601	Matthew Lewis TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 0205

0701	Douglas Glynn	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2123

SPAN306 **Spanish II for Native Speakers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN206.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Evelyn Canabal-Torres	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 1122

SPAN307 **Oral Communication Skills for Native Speakers of Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of techniques for formal public speaking in Spanish. Writin and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

0101	Evelyn Canabal-Torres	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2117

SPAN315 **Commercial Spanish I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments.

Contact department for information to register for this course.

SPAN316 **Practicum in Translation I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Translation of non-literary, non-technical texts into Spanish and/or English.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2125

SPAN318 **Translation of Technical Texts**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Translation of technical and specialized texts in various fields (e.g. medicine, law, international affairs, social work, journalism, technology) into Spanish and/or English.

Prerequisite: Completion of SPAN316.

0101	Maria Gomez-Martin MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1215
0201	Manel Lacorte TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2206

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN325 or SPAN321. Credit only granted for: SPAN321, SPAN325, or SPAN331.

The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. Taught in Spanish.

Contact department for information to register for this course.

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor.

An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Maria Becerril Longares	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 1117

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333.

An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Maria Becerril Longares	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	JMZ 0120

SPAN335 **Cultural History of Seville**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301. Recommended: SPAN303.

Cultural History of Seville: An exploration of the Iberian, Mediterranean, and transatlantic contexts shaping the history, identity, and cultural and artistic expressions of Seville. Includes texts from the Middle Ages to the twenty first century. Focus on the historical, literary and cultural evolution of Seville from the Roman Empire and the Moorish occupation to the discovery and conquest of America until present times. Taught in Spanish.

Contact department for information to register for this course.

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN323 or SPAN346. Credit only granted for: SPAN361, SPAN323, or SPAN346.

Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.

Contact department for information to register for this course.

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor.

An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Maria Monsalve MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2123
0201	Lisa Carney MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN324 or SPAN347. Credit only granted for: SPAN324, SPAN347, or SPAN363.

An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Juan Carlos Quintero-Herencia TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0122
0201	Ryan Long TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 1124

SPAN369A **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369B **Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369F **Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369G **Special Topics in Study Abroad III; Spanish for the Health Professional**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369I **Special Topics in Study Abroad III; Advanced Studies in Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369M **Special Topics in Study Abroad III; Spanish Language B2**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369Q **Special Topics in Study Abroad III; Spanish Phonetics and Phonology**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369R **Special Topics in Study Abroad III; Advanced Reading Skills in Spanish**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369T **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369V **Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics / Advanced Spanish Writing and Stylistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369Y **Special Topics in Study Abroad III; B2 Advanced Level Spanish 1**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369Z **Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

SPAN389A **Special Topics in Spanish Language, Culture and Literature; Spanish for the Health Professions**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

SPAN 389 - Special Topics in Spanish Language, Culture and Literature. Topics and requirements will vary. Repeatable 1-6 credits if content differs.

Exploration of culture and health and issues in health care/public health relevant to Spanish-speaking communities; Spanish vocabulary related to health professions; communication strategies for health care workers.

0101	Roberta Lavine	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3203

SPAN399 **Independent Study in Spanish**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Prerequisite: permission of department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN408A **Great Themes of the Hispanic Literatures; The Latin American Salsa Archive: An Introduction**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

This course will be an introduction to the classic period of the musical genre known as Salsa (1970's-1980's). We will meditate on the poetics of "sabor" produced within the genre and discuss its influence and effects on comtemporary Latin American Literature and Culture.

0101	Juan Carlos Quintero-Herencia	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2206

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408N **Great Themes of the Hispanic Literatures; Love, Science, Religion and the Pursuit of Criollo Independeence in 18th-Century Mexico**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408Q **Great Themes of the Hispanic Literatures; Spanish Poetry of the Golden Age**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Prerequisite: Completion of one from SPAN331, SPAN332, SPAN333, SPAN361, SPAN362, SPAN363

0101	Hernan De Pinillos	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 2123

SPAN408T **Great Themes of the Hispanic Literatures; Representations of Childhood and Youth in Latin American Literature and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Prerequisite: Completion of one from SPAN331, SPAN332, SPAN333, SPAN361, SPAN362, or SPAN363.

0101	Ryan Long	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 0205

SPAN408X **Great Themes of the Hispanic Literatures; Between Worlds: Central America Diasporas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Prerequisite: Completion of one from SPAN331, SPAN332, SPAN333, SPAN361, SPAN362, or SPAN363.

0101	Ana Rodriguez	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 3120

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408Z **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Literary Myths and Philosophy in the European Tradition**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409M **Great Themes of the Hispanic Literatures; Contemporary Spain through Spanish Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409N **Great Themes of the Hispanic Literatures; 20th Century Spanish History and Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409O **Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409W **Great Themes of the Hispanic Literatures; Women Writers of Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409Y **Great Themes of the Hispanic Literatures; Filmmaking in Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409Z **Great Themes of the Hispanic Literatures; Spanish Film and Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN415 **Commercial Spanish II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Sophomore standing or higher.

Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

0101	Fabian Faccio	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2206

0201	Fabian Faccio MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2206
0301	Fabian Faccio MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206

SPAN422 **Cross-Cultural Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Prerequisite: SPAN315. Restriction: Must be in Spanish Language, Literatures, and Cultures program; and junior standing or higher.

Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

0101	Roberta Lavine TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2123

SPAN426 **Introduction to Hispanic Linguistics II: Language in Use**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN425. Also offered as: SPAN626.

Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

0101	Manel Lacorte TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 2206

SPAN430 **Cervantes: Don Quijote**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Contact department for information to register for this course.

SPAN449A **Special Topics in Spanish Civilization; Spanish Civilization**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449C **Special Topics in Spanish Civilization; History of Spain II: 20th Century**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449J **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449M **Special Topics in Spanish Civilization; Barcelona and Madrid: Contemporary Film and Theatre**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449Q **Special Topics in Spanish Civilization; 20th Century History of Spain and the Basque Country**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449Z **Special Topics in Spanish Civilization; Literature and Cinema in the Contemporary City**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN462 **Twentieth Century Drama**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Significant plays of the twentieth century.

Contact department for information to register for this course.

SPAN464 **Contemporary Spanish Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Spanish poetry from the generation of 1927 to the present.

Contact department for information to register for this course.

SPAN466 **The Contemporary Spanish Novel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

The novel and the short story from 1940 to the present.

Contact department for information to register for this course.

SPAN469A **Study Abroad Special Topics IV; Advanced Topics in Spanish Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN469C **Study Abroad Special Topics IV; Composition**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN479 **Honors Thesis**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Researching and writing an honors thesis under the direction of a professor.

Contact department for information to register for this course.

SPAN495 **Honors Reading**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Supervised reading.

Contact department for information to register for this course.

SPAN699 **Independent Study in Spanish**

Credits: 1-3 Grading Method: Regular, Audit

This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.

Contact department for information to register for this course.

SPAN798W **Open Seminar; Borges**

Credits: 3 Grading Method: Regular, Audit

0101	Saul Sosnowski Th 3:30pm - 5:45pm	Seats (Total: 10) JMZ 3120

SPAN798X **Open Seminar; Spanish Poetry of the Golden Age (From Garcilaso to Gongora)**

Credits: 3 Grading Method: Regular, Audit

0101	Hernan De Pinillos Tu 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2123

SPAN798Z **Open Seminar; U.S. Latina/o Diasporas**

Credits: 3 Grading Method: Regular, Audit

0101	Ana Rodriguez W 4:30pm - 7:15pm	Seats (Total: 10) JMZ 2117

SPAN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SPHL Public Health Spring 2015

SPHL400 **Introduction to Global Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: SPHL400 or SPHL498A. Formerly: SPHL498A.

Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.

0101	Gretchen De Silva W 4:00pm - 6:30pm	Seats (Total: 40) SPH 1301
SG91	Muhiuddin Haider M 2:00pm - 4:50pm	Seats (Total: 30) BLD3 2203
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	
SG92	Muhiuddin Haider W 2:00pm - 4:50pm	Seats (Total: 30) BLD3 4226
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL402 **Public Health Emergency Preparedness**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive introduction to public health emergency preparedness. Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural.

SG91	Marilyn London	Seats (Total: 30)
	Tu 9:00am - 11:50am	BLD3 3240
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL412 **Food, Policy, and Public Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: NFSC100.

Broad overview of the impact of food and food policy on public health. Course covers topics such as access to food, food systems, influence of food policies on the individual, the cost of food, influences on food selection, food safety risks and responses, nutrition-related health challenges, and a comparison of US food/nutrition issues with those of other nations.

For school of public health students only. Class meets at the Shady Grove Campus

SG91	Instructor: TBA	Seats (Total: 30)
	Tu 6:00pm - 8:50pm	BLD3 3219
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL415 **Essentials of Public Health Biology: The Cell, The Individual, and Disease**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105.

Presents the basic scientific and biomedical concepts of modern public health problems and explores in depth mechanisms and models of the major categories of disease. The biologic principles presented are foundations to public health disease prevention, control, or management programs.

0101	Gretchen De Silva	Seats (Total: 40)
	MW 1:00pm - 2:15pm	SPH 1301

SG91	Instructor: TBA Tu 9:30am - 12:20pm	Seats (Total: 30) BLD3 2203

SPHL491 **Public Health Science Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Public Health Science program.

The Public Health Science internship will enable students to gain practical experience under conditions conducive to educational and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization. Students will be required to submit information to document their progress and experiences.

SG91	Lynn Cook Contact instructor or department for details. *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 30)

SPHL498F **Special Topics in Public Health; Social, Political, and Ethical Issues of Public Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topical and interdisciplinary courses of interest to upper level undergraduate students in the field of Public Health not currently covered by the program.

SG91	Blair Coleman W 6:00pm - 8:50pm *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 30) BLD3 4203
SG92	Lynn Cook Tu 2:00pm - 4:50pm *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 30) BLD3 3226

SPHL498G **Special Topics in Public Health; Public Health in the City: Global and Domestic Perspectives on the Urban Environment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP, SCIS

Topical and interdisciplinary courses of interest to upper level undergraduate students in the field of Public Health not currently covered by the program.

SG91	Alyssa Brooks	Seats (Total: 60)
	M 5:00pm - 7:50pm	BLD3 3230
	Class meets at the Shady Grove Campus. Restricted to students in the School of Public Health. Permission of program director is required for all other UMCP undergraduate students to enroll.	

SPHL498N **Special Topics in Public Health; Introduction to Enviornmental Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topical and interdisciplinary courses of interest to upper level undergraduate students in the field of Public Health not currently covered by the program.

0101	Instructor: TBA	Seats (Total: 40)
	MWF 9:00am - 9:50am	SPH 0302

SPHL498P **Special Topics in Public Health; Introduction to Health Policy and Services**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topical and interdisciplinary courses of interest to upper level undergraduate students in the field of Public Health not currently covered by the program.

0101	Karoline Mortensen	Seats (Total: 40)
	M 4:00pm - 6:30pm	PLS 1119

SPHL498X **Special Topics in Public Health; Public Health Genomics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topical and interdisciplinary courses of interest to upper level undergraduate students in the field of Public Health not currently covered by the program.

SG91	Instructor: TBA	Seats (Total: 30)
	W 9:30am - 12:20pm	BLD3 2203
	Class meets at the Shady Grove Campus. Restricted tostudent in the School of Public Health. Permission of program director is required for all other UMCP undergraduate students to enroll.	

STAT Statistics and Probability Spring 2015

STAT100 **Elementary Statistics and Probability**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111.

Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0111	Instructor: TBA MW 12:00pm - 12:50pm MWF 8:00am - 8:50am	Seats (Total: 29) ARM 0135 ARM 0112	 Discussion
0112	Instructor: TBA MW 12:00pm - 12:50pm MWF 9:00am - 9:50am	Seats (Total: 29) ARM 0135 ARM 0112	 Discussion
0121	Instructor: TBA MW 12:00pm - 12:50pm MWF 10:00am - 10:50am	Seats (Total: 29) ARM 0135 ARM 0112	 Discussion
0122	Instructor: TBA MW 12:00pm - 12:50pm MWF 11:00am - 11:50am	Seats (Total: 31) ARM 0135 ARM 0112	 Discussion
0131	Susan Chimiak MW 12:00pm - 12:50pm MWF 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 ARM 0112	 Discussion
0132	Susan Chimiak MW 12:00pm - 12:50pm MWF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0135 ARM 0112	 Discussion
0141	Instructor: TBA MW 12:00pm - 12:50pm TuTh 9:30am - 10:45am	Seats (Total: 29) ARM 0135 ARM 0112	 Discussion

0142	Instructor: TBA MW 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 31) ARM 0135 ARM 0112	Discussion
0211	Casey Cremins MW 1:00pm - 1:50pm MWF 8:00am - 8:50am	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0212	Casey Cremins MW 1:00pm - 1:50pm MWF 9:00am - 9:50am	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0221	Casey Cremins MW 1:00pm - 1:50pm MWF 10:00am - 10:50am	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0222	Casey Cremins MW 1:00pm - 1:50pm MWF 11:00am - 11:50am	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0231	Casey Cremins MW 1:00pm - 1:50pm MWF 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0232	Casey Cremins MW 1:00pm - 1:50pm MWF 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0241	Casey Cremins MW 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 29) ARM 0131 ARM 0112	Discussion
0242	Casey Cremins MW 1:00pm - 1:50pm TuTh 11:00am - 12:15pm	Seats (Total: 30) ARM 0131 ARM 0112	Discussion

STAT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the CMNS-Mathematics Department.

2801	Abram Kagan Contact instructor or department for details.	Seats (Total: 10)	

STAT400 **Applied Probability and Statistics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Susan Chimiak MWF 2:00pm - 2:50pm Tu 8:00am - 9:15am	Seats (Total: 28) ARM 0135 MTH 0104	Discussion
0121	Instructor: TBA MWF 2:00pm - 2:50pm Tu 9:30am - 10:45am	Seats (Total: 28) ARM 0135 MTH 0104	Discussion
0122	Susan Chimiak MWF 2:00pm - 2:50pm Tu 9:30am - 10:45am	Seats (Total: 28) ARM 0135 MTH B0429	Discussion
0131	Susan Chimiak MWF 2:00pm - 2:50pm Tu 12:30pm - 1:45pm	Seats (Total: 28) ARM 0135 MTH 0106	Discussion
0132	Instructor: TBA MWF 2:00pm - 2:50pm Tu 12:30pm - 1:45pm	Seats (Total: 28) ARM 0135 MTH 0304	Discussion
0133	Susan Chimiak MWF 2:00pm - 2:50pm Tu 12:30pm - 1:45pm	Seats (Total: 28) ARM 0135 MTH 1313	Discussion
0141	Susan Chimiak MWF 2:00pm - 2:50pm Tu 2:00pm - 3:15pm	Seats (Total: 28) ARM 0135 MTH 0405	Discussion

0142	Instructor: TBA MWF 2:00pm - 2:50pm Tu 2:00pm - 3:15pm	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0143	Susan Chimiak MWF 2:00pm - 2:50pm Tu 2:00pm - 3:15pm	Seats (Total: 28) ARM 0135 MTH B0423	Discussion
0201	Natalia Tchetcherina MWF 11:00am - 11:50am	Seats (Total: 33) CHM 2201	
0301	Natalia Tchetcherina MWF 1:00pm - 1:50pm	Seats (Total: 35) MTH B0421	
0401	Timothy Pilachowski MWF 2:00pm - 2:50pm	Seats (Total: 48) MTH B0421	

STAT401 **Applied Probability and Statistics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Yuan Liao TuTh 9:30am - 10:45am	Seats (Total: 32) JMP 1109	
0201	Timothy Pilachowski TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0201	
0301	Instructor: TBA TuTh 2:00pm - 3:15pm	Seats (Total: 27) MTH 0102	
0401	Joan Ren TuTh 9:30am - 10:45am	Seats (Total: 32) MTH 0105	

STAT410 **Introduction to Probability Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 and MATH241. Also offered as: SURV410. Credit only granted for: STAT410 or SURV410.

Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Abram Kagan TuTh 9:30am - 10:45am	Seats (Total: 31) EGR 0108
0201	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 33) MTH 0101
0301	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 31) MTH 0306
0401	Michael Laskowski TuTh 9:30am - 10:45am	Seats (Total: 31) JMP 1202

STAT420 **Introduction to Statistics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SURV410 or STAT410. Also offered as: SURV420. Credit only granted for: STAT420 or SURV420.

Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods.

Offered Spring only.

0101	Joan Ren TuTh 11:00am - 12:15pm	Seats (Total: 27) MTH 0101
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 27) MTH 0102

STAT430 **Introduction to Statistical Computing with SAS**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in STAT400.

Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Susan Chimiak MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0305
0201	Benjamin Kedem MWF 2:00pm - 2:50pm	Seats (Total: 31) CHM 1224

STAT440 **Sampling Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT401 or STAT420. Also offered as: SURV440. Credit only granted for: STAT440 or SURV440.

Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Yuan Liao TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0303

STAT464 **Introduction to Biostatistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Additional information: Not acceptable toward degrees in MATH/STAT.

Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 35) ARM 0117
0201	Raluca Rosca MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0304

SES1	Chiao-Wen Hsiao	Seats (Total: 20)
	W 6:00pm - 9:00pm	MTH 0102
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	

STAT470 **Actuarial Mathematics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 and MATH241. Recommended: STAT400.

Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	MTH B0421

STAT498A **Selected Topics in Statistics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.

Contact department for information to register for this course.

STAT601 **Probability Theory II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT600.

Weak convergence of measures; characteristic functions; Central Limit Theorem and local limit theorem; stable laws; Kolmogorov consistency theorem (without proof); conditional expectations and martingales; optimal stopping theorem; convergence of martingales; Brownian motion; Markov processes and families; stochastic integral and Ito formula.

Offered Spring only.

0101	Leonid Koralov	Seats (Total: 22)
	MWF 1:00pm - 1:50pm	MTH 1313

STAT650 **Applied Stochastic Processes**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.

Basic concepts of stochastic processes. Markov processes (discrete and continuous parameters), Random walks, Poisson processes, Birth and death processes. Renewal processes and basic limit theorems. Discrete time martingales, stopping times, optional sampling theorem. Applications from theories of stochastic epidemics, survival analysis and others.

0101	Dmitry Dolgopyat	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0306

STAT689 **Research Interactions in Statistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

STAT701 **Mathematical Statistics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT700; or students who have taken courses with comparable content may contact the department.

Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis.

Offered Spring only.

0101	Eric Slud	Seats (Total: 22)
	MW 5:00pm - 6:15pm	MTH 0304

STAT730 **Time Series Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT700; and must have completed a graduate course in analysis. Or permission of instructor. Recommended: STAT701 and STAT650.

The methodology of probabilistic description and statistical analysis of (primarily stationary) random sequences and processes. Correlation functions, Gaussian processes, Hilbert-space methods including Wold decomposition and spectral representation, periodogram and estimation of spectral densities, parameter estimation and model identification for ARMA processes, linear filtering, Kalman-Bucy filtering, sampling theorems for continuous-time series, multivariate time series.

0101	Benjamin Kedem	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 1313

STAT741 **Linear Statistical Models II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT740.

Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression.

Offered Spring only.

0101	Paul Smith	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	MTH 0105

STAT799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

STAT808A **Selected Topics in Probability**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

STAT818A **Selected Topics in Statistics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SURV Survey Methodology Spring 2015

SURV400 **Fundamentals of Survey Methodology**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department. Credit only granted for: SURV699M or SURV400. Formerly: SURV699M.

Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV).

Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.

SVW1	Instructor: TBA **Meets March 2, 2015 - May 29, 2015** F 12:00pm - 12:50pm	Seats (Total: 15) ONLINE

SURV410 **Introduction to Probability Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410.

Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

0101	Abram Kagan TuTh 9:30am - 10:45am	Seats (Total: 31) EGR 0108
0201	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 33) MTH 0101
0301	Instructor: TBA MWF 2:00pm - 2:50pm	Seats (Total: 31) MTH 0306

SURV420 **Introduction to Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SURV410 or STAT410. Also offered as: STAT420. Credit only granted for: STAT420 or SURV420.

Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods.

Offered Spring only.

0101	Joan Ren TuTh 11:00am - 12:15pm	Seats (Total: 27) MTH 0101

SURV440 **Sampling Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT401 or STAT420. Also offered as: STAT440. Credit only granted for: STAT440 or SURV440.

Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling.

0101	James Lepkowski	Seats (Total: 15)
	Meets January 5, 2015 - April 21, 2015	
	MW 8:30am - 10:00am	LEF 1208

SURV616 **Statistical Methods II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SURV615.

Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing.

0101	James Wagner	Seats (Total: 20)
	Meets January 5, 2015 - April 21, 2015	
	F 12:30pm - 3:15pm	LEF 1208

SURV625 **Applied Sampling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a course in statistics approved by department.

Practical aspects of sample design. Topics include: probability samplin (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Lepkowski	Seats (Total: 15)
	Meets January 5, 2015 - April 21, 2015	
	W 1:00pm - 4:00pm	LEF 1208

SV01	James Lepkowski **Meets January 6, 2015 - April 18, 2015** W 1:00pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD in T10. This section is open to Census Bureay employees only.*	Seats (Total: 15) Location: TBA
SVW1	Instructor: TBA **Meets March 2, 2015 - May 29, 2015** W 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 10) Location: TBA

SURV630 **Questionnaire Design and Evaluation**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: SURV430 and SURV630.

The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Ting Yan **Meets January 12, 2015 - May 12, 2015** Tu 12:00pm - 3:00pm	Seats (Total: 15) LEF 1208
SVW1	Instructor: TBA **Meets March 2, 2015 - May 29, 2015** M 12:00pm - 12:50pm	Seats (Total: 15) ONLINE

SURV640 **Survey Practicum I**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)) ; or permission of instructor. Credit only granted for: SURV620 or SURV640. Formerly: SURV620. Additional information: SURV640 and SURV641 must be taken in consecutive semesters.

First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

0101	David Cantor	Seats (Total: 15)
	W 4:00pm - 6:00pm	LEF 1208

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

0101	Frederick Conrad	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Frauke Kreuter	Seats (Total: 10)
	Meets January 26, 2015 - April 19, 2015	
	Contact instructor or department for details.	
0301	Robert Croninger	Seats (Total: 10)
	Meets January 26, 2015 - April 19, 2015	
	Contact instructor or department for details.	

SURV699Y **Special Topics in Survey Methodology; Big Data in Social Research**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

Prerequisite: Permission of Instructor.

0101	Frauke Kreuter	Seats (Total: 10)
	Meets January 13, 2015 - May 12, 2015	
	Th 12:00pm - 2:40pm	LEF 1218

SURV701 **Analysis of Complex Sample Data**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SURV625.

Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation.

SVW1	Robert Baskin	Seats (Total: 10)
	Meets March 2, 2015 - May 29, 2015	
	F 11:00am - 11:50am	Location: TBA
	Contact instructor or department for details.	

SURV721 **Total Survey Quality II**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: SURV720. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723.

Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

0101	Sunghee Lee, Ting Yan	Seats (Total: 20)
	Meets January 5, 2015 - April 21, 2015	
	Th 9:00am - 11:30am	LEF 1208

SURV742 **Inference from Complex Surveys**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SURV440.

Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

0101	Yan Li **Meets January 13, 2015 - April 21, 2015** Tu 1:00pm - 3:30pm	Seats (Total: 20) LEF 1218
SV01	Yan Li **Meets January 13, 2015 - April 21, 2015** Tu 1:00pm - 3:30pm *Class will meet at the Bureau of Labor Statistics, Conference Room 10 in Washington, DC. This section is open to BLS employees only.*	Seats (Total: 10) Location: TBA

SURV744 **Topics in Survey Methodology**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: SURV440.

Advanced course in survey sampling theory.

0101	Robert Fay, Keith Rust **Meets January 5, 2015 - April 21, 2015** Th 3:00pm - 5:40pm	Seats (Total: 15) LEF 1208

SURV760 **Survey Management**

Credits: 3

Grading Method: Regular, Audit

Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described.

0101	Steven Heeringa **Meets January 12, 2015 - April 22, 2015** M 1:30pm - 4:00pm *Course open to JPSM students only and students from other departments will need permission to register.*	Seats (Total: 20) LEF 1208

SV01	Steven Heeringa	Seats (Total: 15)
	Meets January 12, 2015 - April 22, 2015	
	M 1:30pm - 4:00pm	Location: TBA
	Class meets at the Census Bureau in Suitland, MD in T10. This section is open to Census Bureau employees only.	

SURV772 **Survey Design Seminar**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: (SURV770 and SURV771) or SURV772. Formerly: SURV770 and SURV771.

Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Douglas Currivan	Seats (Total: 10)
	Tu 3:00pm - 5:45pm	LEF 1208

SURV798B **Advanced Topics in Survey Methodology; Small Area Estimation**

Credits: 3 Grading Method: Regular, Audit

Individual instruction.

0101	Partha Lahiri	Seats (Total: 15)
	M 10:05am - 12:35pm	LEF 1218
SV01	Partha Lahiri	Seats (Total: 10)
	M 10:05am - 12:35pm	Location: TBA
	Class meets at the Census Bureau in Suitland, MD in T10. This section is open to Census Bureau employees only.	

SURV829 **Doctoral Research Seminar in Survey Methodology**

(Perm req)

Credits: 3-6 Grading Method: Regular

An advanced research seminar for students preparing to do research or take doctoral comprehensive examinations.

0101	Michael Elliott, Frauke Kreuter	Seats (Total: 10)
	Meets January 5, 2015 - April 16, 2015	
	W 10:00am - 12:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Spring 2015

TDPS201 **Introduction to Technical Production**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within ARHU-Dance department; or must be in a major within ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114.

Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

0101	Cate Barger	Seats (Total: 30)	
	MW 4:30pm - 5:20pm	PAC 1815	
	F 3:30pm - 5:30pm	PAC 1702	Lab

TDPS358J **Special Topics in Intermediate Performing Arts; Musical Theatre Jazz**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at the intermediate level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Restriction: Permission of department.

0101	Megan Morse Jans	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab

TDPS458D **Special Topics in Advanced Performing Arts; Production Management**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

0101	Instructor: TBA	Seats (Total: 10)
	MWF 1:00pm - 1:50pm	PAC 1924

TDPS458I **Special Topics in Advanced Performing Arts; True Storytelling and Cultural Identity**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Explore the power of personal narrative-the true stories of our lives-in relation to our public performances of cultural identity: ethnicity, race, and nationality. How does one perform Latinidad? How does one perform East African, South Asian, or Middle Eastern? How are mixedness, hybridity, multi-ethnicity, or trans/post-racial identities expressed? Through reading, discussion, writing stories, and storytelling performance, this class examines how we experience the cultural categories that our society forcibly places upon us, and how we often protest against them. Included are workshops by professional storytellers from Speakeasy DC. The class will meet on five Fridays (dates TBD), plus two required performances. All interested students should contact Professor Laurie Frederik Meer at lfred@umd.edu with a written paragraph about why you want to take the class and which cultural identities you would like to explore through storytelling.

0101	Laurie Frederik Meer	Seats (Total: 10)

Contact instructor or department for details.

Explore the power of personal narrative the true stories of our lives i relation to our public performances of cultural identity: ethnicity, race, and nationality. How does one perform Latinidad? How does one perform East African, South Asian, or Middle Eastern? How are mixedness, hybridity, multi-ethnicity, or trans/post-racial identities expressed? Through reading, discussion, writing stories, and storytelling performance, this class examines how we experience the cultural categories that our society forcibly places upon us, and how we often protest against them. Included are workshops by professional storytellers from Speakeasy DC. The class will meet on five Fridays (dates TBD), plus two required performances.

TDPS458M **Special Topics in Advanced Performing Arts; Movement Design for Theatre**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Prerequisite: permission of department.

0101	Mitchell Hebert, Karen Bradley	Seats (Total: 12)	
	MW 1:00pm - 2:50pm	PAC 3736	Lab

TDPS458T **Special Topics in Advanced Performing Arts; Theatre of the Oppressed**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Prerequisite: THET222, THET223, THET116, and TDPS201. Must Interview.

0101	Leslie Felbain	Seats (Total: 14)	
	TuTh 1:30pm - 3:15pm	PAC 3736	Lab

TDPS469 **Advanced Practicum in Stage Management**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A graded course in stage management for theatre and/or dance productions. A hands-on laboratory experience.

0101	Cary Gillett Contact instructor or department for details.	Seats (Total: 10)

TDPS479 **Production Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A graded course in a specified practical aspect of mounting a theatre o dance production. It is a hands-on, purely laboratory experience.

Prerequisite: TDPS201. Formerly THET479. A specified practical aspect of mounting a theatre or dance production with hands-on, laboratory experience.

1001	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1002	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1003	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1007	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2001	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2002	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2003	Cate Barger Contact instructor or department for details.	Seats (Total: 15)

2004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	
2006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)	

THET Theatre Spring 2015

THET110 **Introduction to the Theatre**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 SQH 1123	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 24) CSS 2324 SQH 1103	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 24) CSS 2324 SPH 0305	Discussion
0104	Instructor: TBA MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 24) CSS 2324 SPH 0307	Discussion
0105	Instructor: TBA MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 24) CSS 2324 SQH 2122	Discussion
0201	Instructor: TBA MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 EDU 0202	Discussion

0202	Instructor: TBA MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 24) CSS 2324 ASY 3217	Discussion
0203	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) CSS 2324 ASY 3211	Discussion
0204	Instructor: TBA MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 24) CSS 2324 ASY 3211	Discussion
0205	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 24) CSS 2324 ASY 3219	Discussion

THET116 **Fundamentals of Theatrical Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Freshman standing; and must be in Theatre program; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Kate Fulop, Alberto Segarra TuTh 1:00pm - 2:50pm	Seats (Total: 20) PAC 2733	Lab

THET222 **Foundations of Acting and Performance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: THET220 or THET222. Formerly: THET220.

Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Caroline Clay MW 12:00pm - 1:50pm	Seats (Total: 16) PAC 3732	Lab

0102	Mary Coy	Seats (Total: 16)	
	TuTh 12:00pm - 1:50pm	PAC 3730	Lab

THET223 **Text and Context in Western Theatre**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: (THET223 and THET113) or (THET223 and THET115). Formerly: THET113 and THET115.

Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0102	Laronika Thomas	Seats (Total: 25)	
	MW 10:00am - 11:15am	PAC 1815	

THET269B **Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theater**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET285 **The Art of Communication and Presentation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

0101	Jennifer Ring MW 1:00pm - 2:50pm	Seats (Total: 25) PAC 3730	
0103	Sara Thompson MW 10:00am - 11:50am	Seats (Total: 25) PAC 3736	

THET289I **Subversive Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, SCIS

Every society has rebels those who refuse to conform to the mainstreams rigid rules, aesthetics, and beliefs.We will question why these individuals or groups are considered dangerous, and who defines them as such. We will look at how their beliefs and actions fit into a particular socio-historical context, and how their actions (or non-actions) drive social change.

0101	James Ball MW 3:00pm - 4:15pm	Seats (Total: 60) MCB 1207	

THET291 **American Theatre 1890-Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

0101	Allan Davis, Khalid Long MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 TYD 2108	 Discussion
0102	Khalid Long, Allan Davis MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 TYD 1114	 Discussion

THET299L **Independent Study; Analyzing Performances**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers; scenic, lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET299Z **Independent Study; Issues of Realism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers; scenic, lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET310 **Voice for the Actor I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.

Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Mary Coy	Seats (Total: 12)	
	TuTh 10:00am - 11:50am	PAC 3730	Lab

THET325 **Actor's Process I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in THET310 and THET362; or permission of Instructor. And must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

0101	Mitchell Hebert	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 3730	Lab

THET328P **Special Topics in Intermediate Theatre and Performance; Advanced Lighting Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.

0101	Brittany Shemuga TuTh 1:30pm - 3:30pm	Seats (Total: 6) PAC 3731

THET328V **Special Topics in Intermediate Theatre and Performance; Viewpoints**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.

Prerequisites: THET222, THET223, THET116, and TDPS201.

0101	Jennifer Barclay Newsham MW 9:00am - 10:50am	Seats (Total: 18) PAC 3732

THET340 **Playwriting I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, THET116, and TDPS201. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET340 or THET399P. Formerly: THET399P.

Will introduce students to the art of playwriting through exploratory writing exercises, the reading of successful plays, the development of new short scripts, how to make theatrical choices, and how to use the six elements of storytelling.

0101	Jennifer Barclay Newsham TuTh 9:00am - 10:50am	Seats (Total: 12) PAC 1815

THET362 **Alexander Technique**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET116, THET223, and TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Recommended: Concurrently enroll in any THET 300-level Performance course. Credit only granted for: THET399J or THET362. Formerly: THET399J.

Based on the F.M. Alexander Technique, students will learn to recognize habit patterns that interfere with how they function and express themselves so that they can make conscious choices as a performing artist.

0101	Leslie Felbain	Seats (Total: 20)	
	TuTh 9:30am - 11:20am	PAC 3736	Lab

THET369X **Special Topics in Study Abroad III; Fourth-Year French II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET377 **Lighting Design I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

A study of the theories of electrification, instruments, design, color, and control for the stage. Practical work on productions.

0101	Max Doolittle	Seats (Total: 10)	
	MW 10:00am - 11:50am	PAC 2733	Lab

THET380 **Sound Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET116. And THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.

Theatre Sound Design is a first course in designing sound for stage productions.

0101	Paul Jackson	Seats (Total: 10)	
	MW 9:00am - 10:15am	PAC 2727	Lab

THET383 **Costume Design I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TDPS201 or THET114; and (THET116, THET222, and THET223). Or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

0101	Helen Huang	Seats (Total: 10)
	TuTh 10:00am - 11:15am	PAC 2733

THET386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Contact department for information to register for this course.

THET399 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399F **Independent Study; Modern British Theater**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399H **Independent Study; London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399L **Independent Study; Contemporary British Drama**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET408M **Seminar: Theory and Performance Studies; Critical Enactments: Theory and (Post)Modern Performance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in theatre theory and performance studies from classical antiquity to the present.

0101	Faedra Carpenter	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PAC 1815	

THET428D **Special Topics in Advanced Theatre and Performance; Advanced Media Design**

(Perm req)

Credits: 3 Grading Method: Regular

This course is offered as part of the School of Theatre, Dance, and Performance Studies' Artist in Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.

Also offered as THET669D. Credit granted for THET428D or THET669D.

0101	Jared Mezzocchi	Seats (Total: 8)	
	F 9:00am - 12:00pm	PAC 2727	Lab

THET429 **Actor's Studio**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Participation in dramatic roles executed under faculty supervision in the department's productions. Eligible students must make commitments and plan performances with course instructor during pre-registration.

Contact department for information to register for this course.

THET451 **Musical Theatre Workshop I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must audition. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Development of the ability to move, act and express through the media of lyric and music.

0101	Scot Reese	Seats (Total: 16)	
	Th 1:30pm - 4:30pm	PAC 2740	Lab

THET471 **Design Studio in Scenery**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET371; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Also offered as: THET639. Credit only granted for: THET471 or THET639.

Advanced study of scenic design for the theatre. Particular design projects will vary.

0101	Daniel Conway	Seats (Total: 4)	
	MW 10:00am - 11:50am	PAC 2755	Lab

THET474 **Advanced Stage Management**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET114 or TDPS201; and (THET116, THET222, THET223, and THET274); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and sophomore standing or higher.

Intensive practical study of the techniques and procedures for stage management.

0101	Instructor: TBA	Seats (Total: 12)
	MW 3:00pm - 4:20pm	PAC 2515C

THET475 **History of Art, Architecture, and Decor for the Theatre**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET114 or TDPS201; and (THET116, THET222, and THET223); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Also offered as: THET670. Credit only granted for: THET475 or THET670.

Study of Western art, architecture, and decor and their practical application to theatrical production.

0101	Mikhail Kachman	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PAC 1815

THET477 **Design Studio in Lighting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Also offered as: THET659. Credit only granted for: THET477 or THET659.

Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.

0101	Brian MacDevitt	Seats (Total: 8)	
	MW 3:00pm - 4:50pm	PAC 2727	Lab

THET489F **Special Topics in Theatre History from 1800 to Present; Histories and Theories of Interactive Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the history of world theatre and performance from 1800 to present.

This course investigates the relationship between a performance and its audience. How does theatre engage us? How does it immerse us? Where does it ask us to act? This course considers immersion, participation, and simulation as they inform and draw upon theatrical practices.

0101	James Ball	Seats (Total: 20)
	MW 11:30am - 12:45pm	PAC 1815

THET489G **Special Topics in Theatre History from 1800 to Present; Globalization and Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the history of world theatre and performance from 1800 to present.

0101	Esther Lee TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 1815

THET497 **Non-Traditional Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Seminar exploring American and European experimental performance since 1960. Topics include experimental theatre, performance art, pornography and performance, gender and performance, and popular culture and performance. Topics are treated historically and theoretically. Student-produced performance projects are an important component of the seminar.

Contact department for information to register for this course.

THET499 **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Esther Lee Contact instructor or department for details.	Seats (Total: 5)
0601	Ashley Smith Contact instructor or department for details.	Seats (Total: 5)

0701	Jennifer Barclay Newsham Contact instructor or department for details.	Seats (Total: 5)
0801	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1101	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)
2007	Jared Mezzocchi Contact instructor or department for details.	Seats (Total: 5)

THET499G **Independent Study; Realism and Theater Naturalism**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET499Q **Independent Study; Theatrical Forms and Genres**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET499R **Independent Study; Issues of Realism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET499Y **Independent Study; The London Stage**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET499Z **Independent Study; The London Stage**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET639 **Advanced Design Studio in Scenery**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

A repeatable course that allows students to progress in their design training through a series of carefully and individually structured assignments and projects.

0101	Mikhail Kachman	Seats (Total: 8)	
	TuTh 10:00am - 11:50am	PAC 2755	Lab

THET649 **Advanced Design Studio in Costume**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

A series of carefully and individually structured assignments and projects that allows students to progress in their design training.

0101	Helen Huang	Seats (Total: 4)	
	TuTh 1:30pm - 3:30pm	PAC 2755	

THET659 **Advanced Design Studio in Lighting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

A repeatable course that allows students to progress in their design training through a series of carefully and individually structured assignments and projects.

0101	Brian MacDevitt	Seats (Total: 4)	
	MW 3:00pm - 4:50pm	PAC 2727	

THET669 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

THET669D **Independent Study; Advanced Media Design**

Credits: 3 Grading Method: Regular, Audit

Also offered as THET428D. Credit granted for THET428D or THET669D.

0101	Jared Mezzocchi	Seats (Total: 8)	
	F 9:00am - 12:00pm	PAC 2727	Lab

THET670 **Period Style for the Theatre: Fashion and Decor**

Credits: 3 Grading Method: Regular, Audit

Recommended: THET600. Also offered as: THET475. Credit only granted for: THET475 or THET670.

A study of environmental decor, theatrical architecture, historic ornament and fashion through the ages and their practical application for theatrical production.

0101	Mikhail Kachman	Seats (Total: 6)	
	TuTh 3:30pm - 4:45pm	PAC 1815	

THET672 **Theory of Visual Design in Scenery**

Credits: 3 Grading Method: Regular, Audit

A historical and theoretical study of design practices in performing arts with an emphasis in scene design and interpretation.

0101	Daniel Conway	Seats (Total: 4)	
	MW 10:00am - 11:50am	PAC 2755	Lab

THET678 **Theory of Visual Design For the Performing Arts**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

A historical and theoretical study of design practices in the performing arts.

1001	Aaron Posner	Seats (Total: 6)
	Contact instructor or department for details.	
1301	Brian MacDevitt	Seats (Total: 6)
	Contact instructor or department for details.	
1601	Daniel Conway	Seats (Total: 6)
	Contact instructor or department for details.	

THET686 **History of Modern Theory**

Credits: 3 Grading Method: Regular, Audit

Recommended: THET600. Also offered as: THET486. Formerly: THET689.

Modern dramatic and performance theory from realism through postmodernism with special emphasis on the European and American avant-garde.

0101	James Harding W 4:00pm - 6:30pm	Seats (Total: 10) PAC 1809

THET698C **Seminar: Theatre History; Intercultural Theatre**

Credits: 3 Grading Method: Regular, Audit

Studies in theatre history from classical antiquity to the present.

0101	Esther Lee TuTh 11:00am - 12:15pm	Seats (Total: 10) PAC 1809

THET713 **Introduction to Performance Studies**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: THET700.

Introduces doctoral students to theoretical and methodological issues i performance studies. We will focus on 3 primary areas of research, analyzing representational strategies of adaptations, ethnography, and cultural analysis of theatrical performance.

0101	James Harding Th 5:00pm - 7:45pm	Seats (Total: 10) PAC 1924

THET788 **Master's Tutorial**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Collaboration with a faculty member on joint creative and artistic projects.

Contact department for information to register for this course.

THET789 **Master's Practicum**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Participation in creative and artistic activities with professional level theatrical organizations.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

(Perm req)

Credits: 3-9 Grading Method: Regular

Critical analysis of a phase of a professional field of theatre. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

(Perm req)

Credits: 3-8 Grading Method: Regular

Individual research in theatre.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Contact department for information to register for this course.

TLPL Teaching and Learning, Policy and Leadership Spring 2015

TLPL101 **Inquiry Teaching of STEM in Elementary School**

Credits: 1 Grading Method: Regular

Additional information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three-hour block of time during the local elementary school operational hours from 7:45 am to 3:15 pm. A background check is required.

Exploration of teaching science or mathematics as a career. Discussions include standards-based lesson design and various teaching strategies. Fieldwork consists of observing, planning and teaching inquiry-based lessons to students in grades three to six in local elementary schools.

0101	Catherine VanNetta, Anita Sanyal M 4:00pm - 5:20pm	Seats (Total: 20) PHY 1108
0201	Catherine VanNetta, Anita Sanyal Th 5:30pm - 6:50pm	Seats (Total: 20) PHY 1108

TLPL102 **Inquiry Teaching of STEM in Middle School**

Credits: 1 Grading Method: Regular

Prerequisite: Must have completed TLPL101. Additional information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three hour block of time during the local middle school operational hours from 7:45 am to 3:15 pm. A background check is required.

Second course in the Terrapin Teachers teacher preparation sequence. Students gain field experience and continue exploring teaching as a career by planning and implementing two lessons in local, high-need middle school classrooms. Students work closely with UM master teachers to build upon the inquiry-based teaching practices developed in TLPL 101. Students work with mathematics and science curricula while attending to state and district standards, in order to develop and enact lessons that are responsive to students' reasoning in math and science.

0101	Catherine VanNetta, Anita Sanyal Th 4:00pm - 5:20pm	Seats (Total: 20) PHY 1108

UMEI Maryland English Institute Spring 2015

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html. UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 **English as a Foreign Language: Beginning**

(Perm req)

Credits: 12 Grading Method: Sat-Fail

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Annelies Galletta, Raymond Smith	Seats (Total: 15)
	Meets January 12, 2015 - April 30, 2015	
	MWF 9:00am - 11:50am	ASY 3217
	TuTh 9:00am - 11:50am	COL 0100
	MF 1:00pm - 2:50pm	EDU 1315
	TuWTh 1:00pm - 2:50pm	ARM 0103

UMEI002 **English as a Foreign Language: Intermediate I**

(Perm req)

Credits: 12 Grading Method: Sat-Fail

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos, Caralyn Bushey	Seats (Total: 15)
	Meets January 12, 2015 - April 30, 2015	
	MWF 9:00am - 11:50am	ARM 0103
	TuTh 9:00am - 11:50am	ARM 0118
	MF 1:00pm - 2:50pm	EDU 2102
	TuWTh 1:00pm - 2:50pm	JMZ 3122

UMEI003 **English as a Foreign Language: Intermediate II**

(Perm req)

Credits: 12 Grading Method: Sat-Fail

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Instructor: TBA	Seats (Total: 16)
	Meets January 12, 2015 - April 30, 2015	
	MTuWThF 9:00am - 11:50am	ARM 0120
	MWF 1:00pm - 2:50pm	EDU 3233
	TuTh 1:00pm - 2:50pm	ARM 0120

UMEI004 **English as a Foreign Language: Intermediate III**

(Perm req)

Credits: 12 Grading Method: Sat-Fail

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Melanie Baker, Glenn Knapp	Seats (Total: 18)
	Meets January 12, 2015 - April 30, 2015	
	MTuWThF 9:00am - 11:50am	COL 3109
	MTuWThF 1:00pm - 2:50pm	COL 3109
0201	Glenn Knapp	Seats (Total: 15)
	Meets January 12, 2015 - April 30, 2015	
	MWF 9:00am - 11:50am	KEY 0126
	TuTh 9:00am - 11:50am	JMZ 0125
	MWF 1:00pm - 2:50pm	ARM 0121
	TuTh 1:00pm - 2:50pm	PLS 1162
0301	Instructor: TBA	Seats (Total: 17)
	Meets January 12, 2015 - April 30, 2015	
	MTuWThF 9:00am - 11:50am	COL 3110
	MTuWThF 1:00pm - 2:50pm	COL 3110

UMEI005 **Advanced English as a Foreign Language**

Credits: 6 Grading Method: Sat-Fail

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Marilena Draganescu	Seats (Total: 15)
	MTuWThF 10:00am - 11:50am	HBK 1112

0201	Eric Walker MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 15) ARM 0101 JMZ 1226

UMEI006 **English Pronunciation**

(Perm req)

Credits: 2 Grading Method: Sat-Fail

Restriction: Must have graduate standing; and permission of EDUC-Dean-Maryland English Institute department.

Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Marilena Draganescu MW 1:00pm - 2:30pm	Seats (Total: 20) PHY 1219

UMEI007 **Advanced Writing for International Students**

Credits: 3 Grading Method: Sat-Fail

Restriction: Must have graduate standing.

A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould TuTh 6:00pm - 7:50pm	Seats (Total: 15) HBK 0123
0301	Charles Duquette MW 1:00pm - 2:50pm	Seats (Total: 15) ARM 0119
0401	Susan Gould TuTh 2:00pm - 3:50pm	Seats (Total: 15) SPH 0308

UNIV University Courses Spring 2015

UNIV099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor.

0101	Caitlin Rizzo, Erica Ely Contact instructor or department for details.	Seats (Total: 50)

UNIV100 **The Student in the University**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.

Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Instructor: TBA Th 3:00pm - 4:50pm *Restricted to First Semester BSOS Students.*	Seats (Total: 15) KEY 0121
0201	Christopher Boyle M 10:00am - 11:50am *Restricted to First Semester BSOS Students.*	Seats (Total: 15) WDS 1127
0801	Thomas Castillo **Meets January 26, 2015 - April 12, 2015** M 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1117
0803	Thomas Steen **Meets January 26, 2015 - April 12, 2015** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 0123
0805	Deborah Lake **Meets January 26, 2015 - April 18, 2015** Tu 4:00pm - 5:50pm *Restricted to returning Destination Rome and Destination London students.*	Seats (Total: 20) SQH 2119

UNIV104 **STEP: Reading and Writing at the College Level**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in STEP Individual Admits program.

A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0101	Peter Grybauskas W 8:00am - 8:50am	Seats (Total: 15) HBK 0115	

UNIV106 **Transfer Student in Letters and Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be a first-semester Letters and Sciences transfer student. Credit only granted for: UNIV106 or EDCP108G.

For transfer students in Letters and Sciences. This course is designed to assist students in making a successful transition to the University of Maryland (UMD) and to serve as an extended orientation to campus living and learning.

0101	Miki Brooks Tu 2:00pm - 3:15pm	Seats (Total: 20) PLS 1168	

UNIV107 **Science Technology Engineering Mathematics Colloquium**

Credits: 1 Grading Method: Regular

Restriction: Must be a current student in Letters & Sciences.

For students interested in pursuing a STEM related major. Introduces students to the fundamentals of career and major exploration and career development within the various disciplines of STEM.

0807	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 KEY 0120	Discussion
0808	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm W 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 KEY 0119	Discussion

0810	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 CHM 1224	Discussion
0811	Monique Brown, Lee Ann Lewis W 3:00pm - 3:50pm M 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 PLS 1164	Discussion

UNIV108 **Business Exploration Series Colloquium**

Credits: 1 Grading Method: Regular

For students interested in pursuing a business career. Students learn the fundamentals of career development and what the internship/job search process entails.

Restriction: Must be a current student in Letters and Science. For students interested in pursuing a business career. Students learn the fundamentals of career development and what the internship/job search process entails.

0162	Lisa Scheeler M 4:00pm - 4:50pm W 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 ARM 0121	Discussion
0164	Lisa Scheeler M 4:00pm - 4:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 PLS 1168	Discussion
0165	Lisa Scheeler M 4:00pm - 4:50pm Tu 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 HBK 1112	Discussion
0265	Lisa Scheeler M 4:00pm - 4:50pm W 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0268	Lisa Scheeler M 4:00pm - 4:50pm Th 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 SYM 0209	Discussion

UNIV269 **Connecting Across Cultures**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures; Cultural Realities of Spain**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV318J **Special Topics in Study Abroad; Japan: Civil Society, Recovery and Reform in the Wake of Disaster**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics and assignments will vary by travel site, as indicated by subtitles such as Italian Art, Chinese History, and French Theater.

Contact department for information to register for this course.

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.

Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.

0101	James Riker	Seats (Total: 40)
	Tu 3:30pm - 5:30pm	SCC 1102
	Contact instructor or department for details.	

UNIV326 **Beyond the Classroom Seminar II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.

Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	James Riker Class time/details on ELMs	Seats (Total: 25) ONLINE
0201	James Riker M 5:00pm - 5:50pm	Seats (Total: 25) SCC 1102

UNIV349 **Federal Semester Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Sat-Fail

This is the internship component of the Federal Semester program, an offering of the Office of Undergraduate Studies in conjunction with several academic colleges and the University Career Center.

0101	Instructor: TBA Tu 6:10pm - 7:20pm	Seats (Total: 40) SKN 0104
0201	Instructor: TBA W 6:10pm - 7:20pm	Seats (Total: 38) SKN 0104

UNIV378 **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This is the internship component of the Beyond the Classroom program in which students hold internships at organizations such as governmental units and non-profit agencies.

Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

0101	James Riker Contact instructor or department for details.	Seats (Total: 40)

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

0101	Curtis Burrell	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

0101	Joan Burton	Seats (Total: 25)
	Contact instructor or department for details.	

UNIV389K **Special Topics in Undergraduate Studies; Special Topics in Experiential Learning Global Semester**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

0101	Instructor: TBA	Seats (Total: 38)
	Contact instructor or department for details.	
0201	Instructor: TBA	Seats (Total: 38)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

Prerequisite: UNIV325 and UNIV326, for advanced students in the Beyond the Classroom (BTC) Living and Learning Program. This multi-disciplinary seminar enables students to develop their leadership skills by working collaboratively with their peers on joint projects to enhance and to deepen civic engagement and constructive social change on key civic issues on campus and in the broader community on local, national and global issues. Students will carry out collaborative community-based research that addresses an important civic issue and advances civic knowledge for solving that issue. Students will write a research paper (BTC monograph) and contribute to a joint professional report. The seminar will culminate in a BTC civic education or showcase event (e.g., public forum, conference, hearing, video presentation, etc.) where students will share their findings with the broader campus and members of the relevant community.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV399 **Experiential Learning in Undergraduate Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

0101	Joan Burton	Seats (Total: 10)
	Contact instructor or department for details.	

UNIV399P **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV399Y **Experiential Learning in Undergraduate Studies; Youth Grassroots Leadership**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

From Ferguson to Guerrero, to Palestine to Hong Kong, to the US/ Mexico Border, youth are engaged on the frontlines of advancing social change. This seminar series will examine present-day youth leadership in some of the most pressing social justice issues of our time with a particular focus on intersectional movements led by marginalized peoples. Through guest speakers, spoken word, hip-hop, blogs, new media and documentaries, students will learn first-hand from other students and youth who are directly impacted by the social structures they are resisting. Students will develop skills to analyze tactics, strategies, and leadership structures of present-day youth activism while listening to and engaging with the voices of directly impacted youth.

0101	Amy Fischer	Seats (Total: 20)
	Tu 7:00pm - 9:00pm	Location: TBA
	Meets in 1102 South Campus Commons, Building I.	

UNIV798A **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

Credits: 2 Grading Method: Regular, Audit

Special topic courses directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the Universtiy Teaching and Learning Program.

0101	Stephen Roth	Seats (Total: 18)
	Tu 3:00pm - 5:00pm	MCK 7111

UNIV798B **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

Credits: 1 Grading Method: Regular

Special topic courses directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the Universtiy Teaching and Learning Program.

0101	Stephen Roth	Seats (Total: 5)
	Tu 3:00pm - 5:00pm	MCK 7111

URSP Urban Studies and Planning Spring 2015

URSP289Q **Quality of Urban Life**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DSHS, DVUP, SCIS

0101	Mila Zlatic Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 1119 EDU 0202	Discussion
0102	Mila Zlatic Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 1119 EDU 2101	Discussion
0103	Mila Zlatic Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 21) SQH 1119 EDU 3233	Discussion

URSP399 **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP399I **Independent Study**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

Credits: 3 Grading Method: Regular

Formerly: URSP602.

Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Alexander Chen W 7:00pm - 9:30pm	Seats (Total: 19) ARC 1121	

URSP601 **Research Methods**

Credits: 3 Grading Method: Regular, Audit

Recommended: URSP600; and an undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.

Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Casey Dawkins	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 0111

URSP603 **Land Use Planning: Concepts and Techniques**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: URSP603, URBS680, or URBS603. Formerly: URBS603.

Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information.

0101	Instructor: TBA	Seats (Total: 20)
	Tu 4:00pm - 6:30pm	ASY 3207

URSP606 **Microeconomics of Planning and Public Policy**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606.

Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	Chengri Ding	Seats (Total: 15)
	M 4:00pm - 6:30pm	ASY 3221

URSP631 **Transportation and Land Use**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: URSP631 or URSP688L. Formerly: URSP688L.

The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

0101	Hiroyuki Iseki W 7:00pm - 9:30pm	Seats (Total: 20) ARC 1125

URSP640 **Growth Management and Environmental Planning**

Credits: 3 Grading Method: Regular, Audit

Topics associated with growth management, defined as policies and strategies by which governments attempted to control the amount, location, pace, pattern and quality of development within their jurisdictions.

0101	James Cohen Th 7:00pm - 9:30pm	Seats (Total: 25) ARC 1103

URSP661 **City and Regional Economic Development Planning**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: URSP606 or URSP660. Credit only granted for: URSP661, URBS440, or URBS661. Formerly: URBS661.

Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Marie Howland M 9:00am - 12:00pm	Seats (Total: 20) ARC 1127

URSP664 **Real Estate Development for Planners**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: URSP606. Credit only granted for: URSP664 or URSP688F. Formerly: URSP688F.

Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets.

0101	David Falk W 4:00pm - 6:30pm	Seats (Total: 26) SQH 1117

URSP673 **Social Planning**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: URSP673, URBS683, or URBS673. Formerly: URBS673.

Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Willow Lung Amam	Seats (Total: 20)
	M 4:00pm - 6:30pm	ASY 3217

URSP688M **Recent Developments in Urban Studies; Intrmediate Geographic Information Systems**

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Chao Liu	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 0111

URSP688O **Recent Developments in Urban Studies; U.S. Housing Policy and Planning**

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Casey Dawkins	Seats (Total: 20)
	M 7:00pm - 9:40pm	ARC 1121

URSP709 **Field Instruction**

Credits: 3 Grading Method: Regular, Audit

Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's are of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.

Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

0101	James Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

URSP788 **Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Directed readings in selected aspects of urban affairs and planning.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

URSP805 **Seminar in Research Design**

Credits: 3 Grading Method: Regular

Prerequisite: URSP804 and URSP810.

Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

0101	Rolf Moeckel	Seats (Total: 15)
	Th 1:00pm - 3:30pm	JMZ 3118

URSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Sat-Fail

Selected topics in Urban Studies and Planning. Topics will vary with the instructor.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

This course is a required course for the Ph.D program in Urban and Regional Planning and Design.

Contact department for information to register for this course.

USLT Latina/o Studies Spring 2015

USLT202 **US Latina/o Studies II: A Contemporary Overview 1960's to present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D

Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

Also offered as IMMR219B. Credit granted for IMMR219B or USLT202.

0101	Ellen Griff	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 1101

USLT488B **US Latina/o Senior Seminar**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A variable topics seminar that exposes students to interdisciplinary critical readings, writings, and research in U.S. Latina/o Studies. Interdisciplinary research methodologies are broadly addressed. Students will gain skills and practice in reading critical analytic texts and will develop writing skills.

0101	Instructor: TBA	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	SQH 2121

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Specific content to be announced when courses are offered.

0101	Robert Chester	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1107

USLT498F **US Latina/o Studies: Special Topics; Latina/o Sexualities: Borders, Migration, and Citizenship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Specific content to be announced when courses are offered.

Also offered as AMST328A and IMMR319B. Credit granted for AMST328A, IMMR319B, or USLT498F.

0101	Cristina Perez	Seats (Total: 35)
	MWF 11:00am - 11:50am	SQH 1107

VMSC Veterinary Medical Sciences Spring 2015

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

Credits: 1-4 Grading Method: Regular

Lectures and discussions on current topics in veterinary medicine s as animal disease surveillance, risk analysis, molecular epidemiolo or fish pathology. Targeted at veterinary medicine (DVM) students a other graduate students with a background in veterinary medical sciences.

0101	Siba Samal	Seats (Total: 10)
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

Credits: 1 Grading Method: Regular

Presentation and discussion of scientific publications, current topics and new methodologies related to veterinary medical sciences.

0101	Utpal Pal	Seats (Total: 20)
	Th 11:00am - 12:00pm	Location: TBA
	Contact instructor or department for details.	

VMSC699 **Special Problems in Veterinary Medical Sciences**

Credits: 1-4 Grading Method: Regular

Independent study of a specific problem related to veterinary medicine such as a disease outbreak, application of a new diagnostic test or a risk analysis related to animal health. Targeted at veterinary medicine (DVM) students and other graduate students with a background in veterinary medicine.

Contact department for information to register for this course.

VMSC720 **Viral Pathogenesis**

Credits: 2 Grading Method: Regular, Audit

Restriction: Permission of instructor.

This course will teach graduate students about mechanisms of infections by animal and human viral pathogens, including virus-cell interactions, host responses, and consequences of virus infection. Particular attention will be focused on the molecular mechanisms of the interactions between virus and host.

0101	Yanjin Zhang	Seats (Total: 20)
	F 10:00am - 11:50am	Location: TBA

VMSC799 **Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

WMST Women's Studies Spring 2015

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.

WMST200 **Introduction to Women's Studies: Women and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DSHS, DVUP

An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Augusta Bolles	Seats (Total: 25)	
	Tu 2:00pm - 3:40pm	SQH 1119	
	Th 2:00pm - 2:50pm	SQH 1105	Discussion

0102	Augusta Bolles Tu 2:00pm - 3:40pm Th 3:00pm - 3:50pm	Seats (Total: 25) SQH 1119 JMZ 2122	Discussion

WMST211 **Women in America Since 1880**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D

Also offered as: HIST211. Credit only granted for: HIST211 or WMST211.

An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0102	Robyn Muncy TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0103	Robyn Muncy TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 KEY 0120	Discussion
0104	Robyn Muncy TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 WDS 1127	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU, DVUP

An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Sun Kim TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 1130	

0201	Sun Kim TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 1130
0301	Donnesha Blake TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130
0401	Donnesha Blake TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 1108
0501	Eve Grice TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 0104
0601	Eve Grice TuTh 2:00pm - 3:15pm	Seats (Total: 25) KEY 0123
0701	Sina Lee MWF 12:00pm - 12:50pm	Seats (Total: 25) KEY 0124
0801	Avery Dame MWF 1:00pm - 1:50pm	Seats (Total: 25) WDS 1130
0901	Jaime Madden MWF 11:00am - 11:50am	Seats (Total: 25) CHM 0119
1001	Justin Sprague MWF 10:00am - 10:50am	Seats (Total: 25) WDS 0104

WMST255 **Reading Women Writing**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0201	Sarah Bonnie TuTh 2:00pm - 3:15pm	Seats (Total: 30) KEY 0125

WMST263 **Introduction to Black Women's Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: WMST298A, AASP298I, or AASP298S. Formerly: WMST298A.

Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Michelle Rowley	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1114

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (in Indian Society)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269R **Special Topics in Study Abroad II; Making Gender, Sexuality and Race**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST275 **World Literature by Women**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.

Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Elise Auvil TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 1112	
0201	Niloufar Etemad Sarabi MWF 10:00am - 10:50am	Seats (Total: 30) PLS 1111	

WMST298D Women's Bodies in Contention

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HA, D	General Education: DSHS, DVUP, SCIS

0101	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 20) TYD 0117 WDS 1127	Discussion
0102	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 20) TYD 0117 PLS 1158	Discussion
0103	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 20) TYD 0117 WDS 1114	Discussion

WMST298F Special Topics in Women's Studies; Gender and Financial Well-being

Credits: 1	Grading Method: Regular, Pass-Fail, Audit

Meets 2/2, 2/23, 3/9, 3/30, and 4/20. Facilitates the development of greater economic acumen among women about systems of finance and economics in the world and encourages women's critical engagement in finance and economics. The course teaches students, especially women students, the nuts and bolts of managing personal finances and encourages students to consider careers in finance, while learning skills needed for leadership.

0101	Julie Enszer, Seung-Kyung Kim	Seats (Total: 35)
	Meets February 2, 2015 - April 20, 2015	
	M 3:00pm - 5:30pm	WDS 0104

WMST298J **Special Topics in Women's Studies; Gender and Body in Iran**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Also offered as WMST298J. Credit granted for PERS298A or WMST298J. Multidisciplinary approach to key topics concerning gender and body in Iran, to include insights from religion, history, sociology, anthropology, disability studies, travel literature, arts, and fashion.

0101	Instructor: TBA	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMZ 1122

WMST314 **Black Women in United States History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Sophomore standing or higher. Also offered as: AASP313. Credit only granted for: AASP313, AASP498W, HIST329E, WMST314, or WMST498N. Formerly: WMST498N.

Black American women's history from slavery to the present. Focused on gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social-change agents.

0101	Elsa Barkley Brown	Seats (Total: 35)
	W 5:30pm - 8:00pm	LEF 2166

WMST325 **The Sociology of Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: 3 credits in SOCY courses. Also offered as: SOCY325. Credit only granted for: SOCY325 or WMST325.

Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Instructor: TBA	Seats (Total: 80)
	TuTh 12:30pm - 1:45pm	ASY 1213

0301	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0601	Carrie Clarady TuTh 8:00am - 9:15am	Seats (Total: 47) ASY 3203

WMST336 **Psychology of Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.

A study of the biology, life span development, socialization, personality, mental health, and special issues of women.

Restricted to WMST or PSYC undergraduate students only.

0101	Nazish Salahuddin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 110) BPS 1250 ONLINE

WMST348P **Literary Works by Women; Women on the Plantation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

The context, form, style and meaning of literary works by women.

Also offered as ENGL348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 1107

WMST369B **Special Topics in Study Abroad III; Spanish and Basque Gender Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST369L **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST386 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.

0101	Seung-Kyung Kim	Seats (Total: 15)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.

A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Julie Enszer	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	KEY 0125

WMST444 **Feminist Critical Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: WMST200, WMST250, or ENGL250. Also offered as: ENGL444. Credit only granted for: ENGL444 or WMST444.

Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

0101	Jessica Enoch	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 1106

WMST452 **Women in the Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DVUP

Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452.

Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Linda Steiner	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KNI 1208

WMST469G **Study Abroad Special Topics IV; Gender Studies: A Global Perspective**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST471 **Women's Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D

Restriction: Must be in a major within ARHU-Women's Studies department; or must be in a major within SPHL-Behavioral & Community Health department. Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471.

The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Faika Zanjani	Seats (Total: 125)
	MWF 10:00am - 10:50am	SPH 1312

WMST488L **Senior Seminar; From Lenin to Pussy Riots: Gendering Post (Soviet) Russia**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Seminar for advanced majors in women's studies or other students with appropriate preparation. Interdisciplinary topics will vary each semester.

Permission of ARHU-Women's Studies department.

0101	Catherine Schuler	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	ARC 1101

WMST494 **Lesbian Communities and Differences**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course in WMST. Recommended: WMST200 or WMST250. Also offered as: LGBT494. Credit only granted for: LGBT494 or WMST494.

The meanings of lesbian communities across many lines of difference. Using lesbian-feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts.

0101	Katie King	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	MMH 1304

WMST498L **Advanced Special Topics in Women's Studies; Women in Israel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

WMST498O **Advanced Special Topics in Women's Studies; Global Sexed Tourism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

0101	Augusta Bolles	Seats (Total: 30)
	MW 3:00pm - 4:15pm	HBK 0105

WMST498W **Advanced Special Topics in Women's Studies; Sex, Gender, and Jewish Identity**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Also offered as JWST492 and LGBT448W. Credit granted for JWST492, LGBT448W, or WMST498W. An exploration of Jewish embodiment, including dynamics related to biological sex, culturally-framed gender, and sexuality. Topics of discussion may include transgender and intersex Jews, stereotypes and gender performance, modesty, genetics, and body alteration. Focus is on contemporary Jewish culture, framed within the larger historical and textual tradition.

0101	Maxine Grossman	Seats (Total: 40)
	W 4:00pm - 6:30pm	SQH 1105

WMST498X **Advanced Special Topics in Women's Studies; Doing Social Justice Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Elsa Barkley Brown	Seats (Total: 15)
	Th 2:00pm - 4:30pm	HBK 0115

WMST499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST602 **Approaches to Women's Studies II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: WMST400; or students who have taken courses with comparable content may contact the department.

Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

0101	Ashwini Tambe	Seats (Total: 12)
	Tu 2:00pm - 4:30pm	WDS 2101R

WMST618 **Feminist Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular

Examines the higher education classroom from a feminist perspective through theory and analysis. Students are graduate teaching assistants with the Women's Studies department.

0101	Deborah Rosenfelt	Seats (Total: 10)
	TBA	WDS 1131

WMST619 **Women's Studies Teaching Practicum**

(Perm req)

Credits: 1 Grading Method: Regular

Provides Women's Studies graduate teaching assistants with ongoing regular faculty supervision during the semesters the students are teaching WMST courses.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST621 **Feminist Theories and Women's Movements: Genealogies**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: WMST400; or permission of ARHU-Women's Studies department.

Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

0101	Katie King	Seats (Total: 12)
	Th 4:00pm - 6:30pm	WDS 2101R

WMST628 **Women's Studies Colloquium**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

An intensive advanced exploration of current problems and issues in women's studies.

For WMST students only.

0101	Michelle Rowley	Seats (Total: 10)
	Contact instructor or department for details.	

WMST699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

(Perm req)

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Major Field Exam. In consultation with their advisors, students identify, analyze, critique and synthesize material relevant to their major fields of inquiry. Grading will be based on combinations of oral performance in the bi-weekly meetings, production of annotated bibliographies and synthetic papers.

0101	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 3)
0201	Augusta Bolles Contact instructor or department for details.	Seats (Total: 2)
0301	Bonnie Dill Contact instructor or department for details.	Seats (Total: 2)
0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 3)
0501	Katie King Contact instructor or department for details.	Seats (Total: 2)
0601	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 3)
0701	Michelle Rowley Contact instructor or department for details.	Seats (Total: 3)
0801	Catherine Schuler Contact instructor or department for details.	Seats (Total: 2)
0901	Ashwini Tambe Contact instructor or department for details.	Seats (Total: 2)
1001	Ruth Zambrana Contact instructor or department for details.	Seats (Total: 3)

WMST799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular

Contact department for information to register for this course.